



Environmental Management & Consulting

September 27, 2010

Ms. Sondra Martinkat
New York State Department of Environmental Conservation
Division of Environmental Remediation
47-40 21st Street
Long Island City, NY 11101

Re: QWDC Parcel 8 Pilot Test Report
NYSDEC BCP Site No. C241087
Index No. W2-1059-05-03
FLS Project No: 10011-007-3

Dear Ms. Martinkat:

This letter report presents the results of the Parcel 8 Pilot Test, completed on behalf of Queens West Development Corporation (QWDC) and AvalonBay Communities, LLC (collectively, the "Volunteers"), for the above-cited site. The Pilot Test work plan was approved by the Department on September 10, 2009 and implemented from February 2010 through May 2010.

This Pilot Test Report provides the design for the full-scale implementation of the remedy as described in the Remedial Action Work Plan (RAWP) submitted to the Department on April 8, 2010. As agreed, this report is an addendum to the Remedial Action Work plan (RAWP), submitted to the Department on April 8, 2010.

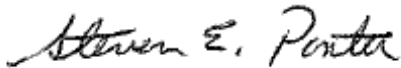
The objective of the Pilot Test was to evaluate *in situ* remediation of the creosote-related contamination on Parcel 8 using Surfactant-Enhanced *in situ* Remediation (S-ISCOTM) using activated persulfate injected via Wavefront Technology Solutions, Inc. PrimawaveTM technology. The bench scale study submitted to the Department on June 9, 2009, provides information regarding the potential contaminant mass reduction that can be achieved. The Pilot Test focused upon the methodology to obtain optimum contact and distribution of the surfactant/oxidant.

The results of the Pilot Test support full scale remediation of Parcel 8 using the proposed remedial methods. The Pilot Test demonstrates the feasibility of remediating this material in place within a reasonable timeframe and without the odor, traffic and noise issues potentially associated with an excavation remedy.

Because the Pilot Test generated a very large body of data, it has taken some time to analyze and evaluate. We will send a final draft to the Department by Friday, July 16 along with the remedial design, prepared by Arnold F. Fleming, PE. The complete draft will be in Department hands before Jim Harrington returns from vacation on July 19.

Please contact me at 212/675-3225 if you have any questions or comments.

Sincerely
Fleming-Lee Shue, Inc.

A handwritten signature in black ink that reads "Steven E. Panter". The signature is written in a cursive, slightly slanted style.

Steven E. Panter, CGWP
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QWDC Parcel 8 Pilot Test Report

NYSDEC BCP Number: C241087

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List of Abbreviations

AZ	Azimuth
bg	Below grade
BTEX	Benzene, toluene, ethylbenzene, total xylenes
Cd	Specific conductance (conductivity)
COC	Contaminants of Concern
CV	Coefficient of variation (standard deviation/mean)
DRO	Diesel range organics
EC	Electrical conductance (mS/m)
ft bgs	Feet below ground surface
g	gram
gals	gallons
gpm	gallons per minute
GRO	Gasoline range organics
IFT	Interfacial tension (mN/m)
kg	kilogram
L	liters
mg	milligram
ms/cm	milli Siemens/centimeter
mS/m	milli Siemens/meter
mN/m	milli Newtons/meter (equivalent to dynes/centimeter)
mV	milli volts
NAPL	Non-aqueous phase liquid
ORP	Oxidation reduction potential (mV)
PAH	Polycyclic aromatic hydrocarbon
Primawave™	Wavefront's pressure pulse process
pH	Hydrogen ion concentration
ppm	parts per million
ROI	Radius of influence
S-ISCO®	VeruTEK's Surfactant enhanced <i>in situ</i> chemical oxidation
SP	Sodium persulfate
Std dev	Standard deviation
SVOC	Semi-volatile organic compound
TCL	Target compound list
Tier I	Analysis within 15-foot test radius
Tier II	Analysis within effective Pilot Test treatment radius
TPH	Total petroleum hydrocarbons
ug	microgram
VOC	Volatile organic compound

1.0 Executive Summary

This Pilot Test Report provides the background, methodology, and results of an *in-situ* chemical oxidation Pilot Test conducted at Parcel 8 from February through May 2010. The Pilot Test work plan was provided to the New York State Environmental Conservation (NYSDEC) and was approved by the Agency on September 10, 2009. This report is an addendum to the Parcel 8 Remedial Action Work Plan submitted to NYSDEC on April 8, 2010. The objectives of the Pilot Test Report are to describe the process, methodology, and results of the Parcel 8 Pilot Test and to provide NYSDEC with the specifics of full scale implementation of the *in-situ* chemical oxidation portion of the overall remedy described in the RAWP.

Inherent in any Pilot Test is a learning curve. This is particularly true in this instance, since it is the first known application of the combination of the key elements: Primawave™, VeruTEK's surfactant enhanced *in situ* chemical oxidation, and Rem-Metrik.

Prior work at this Site indicated the presence of contamination, most of which is related to creosote derived from the distillation of coal tar used in historic manufacture of roofing products. Mass calculations by Fleming Lee Shue, Inc. 2008 based upon these prior investigation results indicate that Parcel 8 contains an estimated 80,000 pounds of contamination in the subsurface. More than 80 percent (64,000 pounds) of this contaminant mass lies below the water table, from approximately 8 to 10 feet below grade to 24 feet below grade. A lesser amount occurs from 24 feet below grade to approximately 37 feet below grade, atop a dense till layer. Within the proposed treatment zone, 10 to 22 ft bgs, there is an estimated 53,600 pounds of contaminant.

The contamination occurs as residual non-aqueous phase liquid (NAPL) held within the small pore spaces in the soil matrix. If not treated, NAPL in this form will remain in the soil for many decades or longer, with continued adverse impacts to soils and groundwater. At some locations at Parcel 8, levels of benzene, toluene, ethylbenzene, total xylenes (BTEX); naphthalene; and polycyclic aromatic hydrocarbons (PAHs) in soils currently exceed regulatory limits, with some groundwater concentrations exceeding regulatory levels by orders of magnitude.

The purpose of the Pilot Test was to evaluate the combination of Primawave™, S-ISCO® and Rem-Metrik as an *in situ* chemical oxidation remedy and to obtain the site-specific information necessary to design the remedy on a site-wide scale. Bench-scale studies, using Site soil and groundwater samples, showed the most effective oxidant for this Site to be sodium persulfate activated with sodium hydroxide, yielding contaminant destruction greater than 95 percent.

The Pilot Test was designed to evaluate this mixture under field conditions and to evaluate the following critical design elements: treatment effectiveness, treatment radius of influence, injection parameters, potential mobilization and migration of contaminants off-site, and make recommendations for Full Scale treatment.

▪ Effectiveness

During the Pilot Test only 7% to 8% of the S-ISCO® chemicals designed for Full Scale application at this Site were injected. Depth and distance specific analysis of pre- and post-injection soil data were analyzed based on soil zones that were actually treated. From these depth and radial distance data, a mass balance of Contaminants of Concern (COCs), defined as Total VOCs plus Total SVOCs was developed and is presented in Table E1. Based on the zones that were effectively treated in Gridcells 27, 11, 19, and 24, COC mass reductions were calculated to be 93.9%, 84.2%, 77.2%, and 10.9%, respectively. Overall, there was a 73.1% reduction in Contaminant of Concern (COC) mass when comparing the initial COC mass present in the effectively treated zones to that present post-Pilot Test. It is evident that the type of injection method (i.e., pressure pulse or fixed well vs. Geoprobe®) had an effect of treatment effectiveness. The total mass of COCs in an entire 15 ft ROI (i.e., initially assumed value) for all four Pilot Test Grid cells was calculated to be 3,240 kg prior to conducting the Pilot Test. Given the calculated change in COC mass of 584.2 kg (see Table E1) an overall COC mass reduction in an assumed 15 ft ROI is 18.0 percent. The Pilot Test destroyed a COC mass of 584.2 kg, a removal of 2.4% of the total estimated COC in the treatment zone on Parcel 8 of 24,313 kg using 7% to 8% of the S-ISCO® chemicals anticipated for Full Scale remediation of Site.

Considering the estimated total COC mass present in the zone identified for Full Scale treatment at Parcel 8 of 53,600 lbs (24,313 kg), a COC mass removal during the Pilot Test of 584.2 kg, results in a removal of 2.4% of total COC mass present in the treatment zone. Given that only 7% to 8% of the S-ISCO® chemicals designed for Full Scale application at this Site were injected during the short term Pilot Test and 2.4% of total COCs were treated is encouraging.

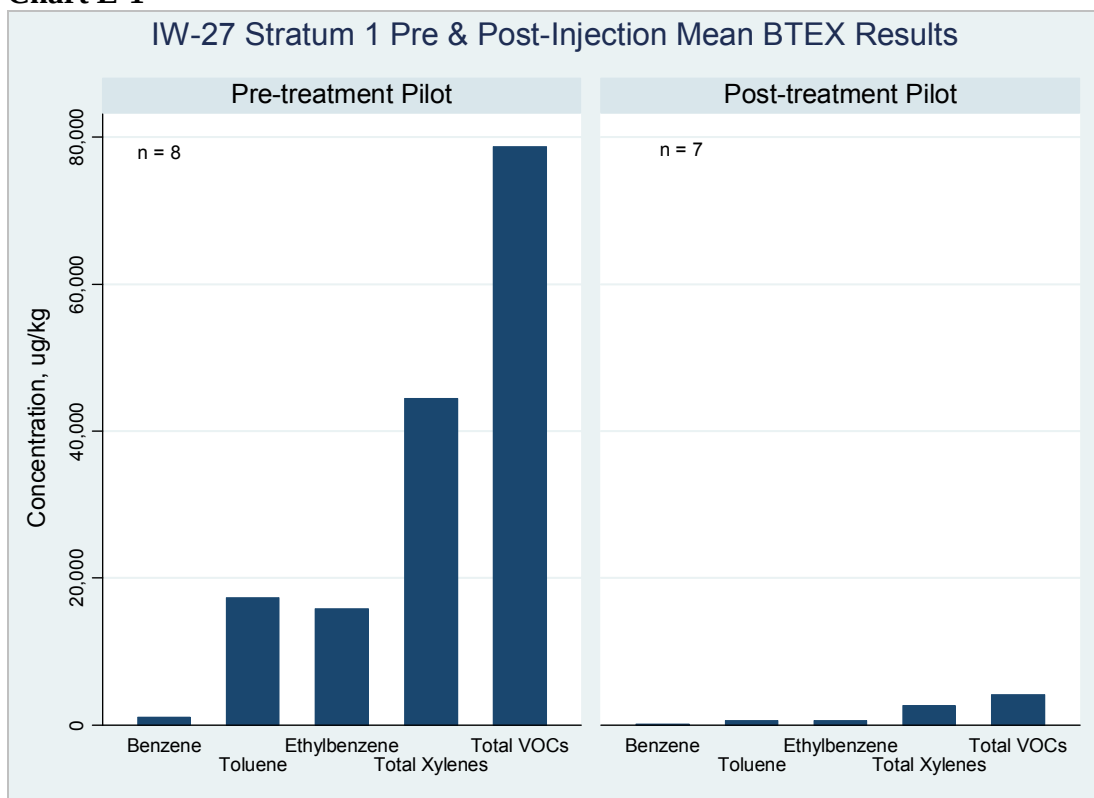
Zone Description	Mass of Soil (kg) ¹	Average Pre-Injection Concentration (mg/kg) ²	Average Post-Injection Concentration (mg/kg) ³	Initial Mass (kg) ⁴	Final Mass (kg) ⁵	Change in Mass (kg) ⁶	Percent Reduction (%) ⁷
Grid Cell 11 Shallow (10 - 16 ft bgs)	55,773	2090.7	329.9	116.6	18.4	98.2	84.2%
Grid Cell 19 Deep (16.5 - 23 ft bgs)	126,062	3668.7	835.6	462.5	105.3	357.1	77.2%
Grid Cell 24 Deep (15 - 21 ft bgs)	17,214	5451.8	4858.6	93.8	83.6	10.2	10.9%
Grid Cell 27 Shallow (11 - 16 ft bgs)	69,429	1819.4	110.1	126.3	7.6	118.7	93.9%
Notes:			Totals	799.2	215.0	584.2	73.1%
1) Mass of Soil was calculated by (Radius) ² x π x Depth x (m ³ /35.3147 ft ³) x Density of Soil (1290 kg/m ³)							
2) Average pre-injection concentration was calculated by averaging the pre-injection soil concentrations data from locations within the radial distance of effective treatment and depth interval of effective treatment							
3) Average post-injection concentration was calculated by averaging the post-injection soil concentrations data from locations within the radial distance of effective treatment and depth interval of effective treatment							
4) Initial Mass calculated by multiplying Average Pre-Injection Concentration (mg/kg) x Initial Mass (kg) x (1 kg/ 1,000,000 mg)							
5) Final Mass calculated by multiplying Average Pre-Injection Concentration (mg/kg) x Initial Mass (kg) x (1 kg/ 1,000,000 mg)							
6) Change In Mass calculated by subtracting Final Mass (kg) from Initial Mass (kg)							
7) Percent Reduction calculated by dividing Change in Mass (kg) / Initial Mass (kg)							

Groundwater SVOC and VOC reductions were observed in two of the three Pilot Test locations where groundwater monitoring data were available. In Gridcell 19, SVOC and

BTEX groundwater concentration were reduced by 65.7% and 59.8%, respectively. In Gridcell 27, SVOC and BTEX groundwater concentration were reduced by 73.4% and 61.6%, respectively. The sole exception to groundwater reductions in BTEX and SVOCs were at IW-24, Strata 1 and 2. Post-injection measurements showed an increase in BTEX and SVOCs in Stratum 1 and an SVOC increase in Stratum 2; but as with soils, decreases in individual compounds were evident even though the aggregate showed no decrease.

The Pilot Test demonstrates that with good oxidant-contaminant contact enabled by Primawave™ and sufficient oxidant, dramatic reductions in contaminant are possible. An example of soil concentration decreases is shown in Chart E1 for the IW-27 shallow groundwater zone after one day of injection.

Chart E-1



▪ Radius of Influence (ROI)

The ROI is the radial distance from the injection point to a location at which the treatment amendment is no longer effective. A determination of the ROI: 1) enables placement of the injection points for the full-scale design at locations which maximize treatment effectiveness, 2) aids in determining both concentrations of treatment amendment and duration of treatment, and 3) provides a basis for selecting the number of injection points. The effective radius of treatment of the injected S-ISCO® chemicals was determined primarily with the use of Electrolytic Conductivity (EC) data taken from direct push measurements in the saturated zone at the Site. Secondarily, the effective soil radius of treatment was ascertained from analysis of radical soil COC treatment by comparing pre- and post-soil treatment data.

Because Pilot-Scale treatment consisted of 4 treatment locations, 2 with conventional injection wells and 2 with Geoprobe® tip injections, as well as pressure pulse treatment in 3 of the 4 Gridcell locations, a large amount of useful data were generated. In summary, when pressure pulse injection was used, density driven vertical transport of the injected S-ISCO® chemicals did not take place, which led to very effective treatment throughout the treated depth interval, particularly in the shallow depth intervals. When the pressure pulse technology was not utilized density driven vertical transport was observed with better treatment in the deep treatment interval, with limited treatment of the shallow zone. For example, EC data for IW-27 suggests that injections achieved an ROI beyond 30 ft. In this injection area, the residual conductivity showed significant, consistent, increases at 5, 10 and 15 ft (83, 74 and 84 percent respectively) suggesting relatively even dispersal.

Based on soil COC reductions the maximum ROI of treatment was observed in Gridcell 19 with an effective treatment ROI from 0 to 13 ft. In Gridcells 11 and 27 the effective ROI, based on soil treatment, were 0 to 9 ft and 0 to 11 ft, respectively. Only in Gridcell 24 was the effective ROI limited to the 0 to 5 ft ROI zone. When comparing injection parameters for the actual Pilot Scale to the prior-designed Full Scale application, only 6% to 15% of the liquid volume, 13% to 38% of the S-ISCO® chemical mass and 3% to 5% of the injection during were utilized during the Pilot Test. The single exception to this was Gridcell 11 where a very low Full Scale injection volume and mass were envisioned. Clearly, the ROI's observed using both the EC and soil COC reduction analysis indicated excellent contact of the injected S-ISCO® chemicals with the saturated zone at the Site.

- **Injection Rate and Volume (minimum, maximum, sustainable)**

The average injection flow rate of pressure pulse injections was more than 13 percent greater than conventional injections. In addition the rate of pressure pulse injections was less variable. Pressure pulse dispersed injections more evenly than conventional injection, which directed fluid largely along preferential pathways. The sustainable rate achieved by pressure pulse injections ranged from 12 to 13 gpm, or two times the rate expected based upon experience with similar media, in both the shallow and deep depth intervals. It was concluded that there are no hydraulic limitations to achieving desired injection flow rates for Full Scale Treatment at the Site.

- **Mobilization and migration of contamination through groundwater**

During the Pilot Test continuous monitoring was performed to determine the degree, if any, to which residual NAPL could be mobilized and/or potentially released to water bodies or other receptors during the remedial process. All Parcel 8 monitoring wells and some adjacent offsite monitoring wells were gauged daily during the injection period and at a reduced frequency after injection ceased in order to monitor potential NAPL migration. Monitoring wells between Parcel 8 and the East River were gauged during the Pilot Test. At no time was evidence of NAPL migration observed. However, the contingency measures listed in the RAWP to address free product or NAPL migration will be implemented during Full Scale treatment.

- **Soil Gas**

Carbon dioxide is the only gaseous product of the oxidation reactions that take place between sodium persulfate and the contaminants present in the subsurface.

Significant reductions in maximum soil gas concentrations were achieved for all tested contaminants, ranging from 31% to 96.5%. Only total VOCs increased in concentration, due to the presence of the citrus terpenes in VeruSOL®.

The Pilot Test took place over a short duration and consisted of injections of oxidant that were only a fraction of the mass and volume required for Full Scale implementation. Nonetheless, the Pilot Test accomplished its stated objectives and yielded the information necessary to design the Full Scale remediation. Data obtained from EC and groundwater quality monitoring, for example, illustrated the desired link between an increase in EC and a decrease in contaminant mass and concentration. Comparisons of radius of influence and degree of treatment in injection areas that used pressure pulse and conventional injection methods indicated that pressure pulse technology was more effective in dispersing the oxidant; promoted greater contact between contaminant and oxidant; and was generally superior to conventional injections. In addition the pressure pulse injection enabled higher, less variable injection rate to be achieved and sustained. The results also indicate that injection wells performed better than the Geoprobe® points.

Reductions in contaminant concentrations and mass varied considerably in the test. Where contact was limited and/or the initial contaminant mass very high, there was little or no measurable response. Where contact was better, as indicated by EC data, contaminant concentrations and mass decreased at high percentages. Individually, some contaminants were reduced by 90 percent or greater.

The Pilot Test provides a window into the success that can be achieved by Full Scale implementation at this Site. The Full Scale implementation will take place over months, rather than days, and sufficient oxidant doses in volumes of fluid adequate to reach the entirety of a treatment area will be injected. Pressure pulse technology will be used for all injections and provide greater efficiency and effectiveness. In addition permanent injection wells will be used, offering more consistent and reliable dosing. The Pilot Test affirmed the applicability and effectiveness of this set of remedial technologies in treating the contamination at the Site, and provided data that can be used to optimize treatment.

Based on the results and observations from the Pilot Test, FLS recommends Full Scale S-ISCO® implementation with the pressure pulse technology as a remedial action to complete treatment at the Parcel 8 Site. Prior to implementation of the Pilot Test, based on the bench-scale laboratory study, VeruTEK previously recommended injection of 128,627 kg of sodium persulfate to treat the estimated 64,000 lbs of contaminant mass present at the Site. Based on the results from the Pilot Test, by comparing mass treated to mass of oxidant injected and radius of influence achieved, VeruTEK maintains that this dosage rate of oxidant (4.4 lbs oxidant/lb contaminant) is appropriate for Full Scale injections.

However to maintain greater contact of oxidant in the subsurface with contamination as well as to avoid density driven transport, VeruTEK recommends injecting the oxidant at a lower concentration. To avoid the density driven transport and increase radius of influence, an injected sodium persulfate concentration of ~ 25 g/L to 50 g/L is recommended compared to the 100 g/L used during the Pilot Test. For Full Scale Injections, VeruTEK also recommends a greater dosage of sodium hydroxide compared to that used during the Pilot Test. For Full Scale Injections, initial sodium hydroxide dosage should begin at 20 g/L, which will help raise the pH faster and sustain the alkaline conditions necessary for activating persulfate. The surfactant dosage used during the Pilot Test was efficient, and the dosage of 5 g/L is recommended to be continued for Full Scale Injections. From a practical perspective, there may be zones where density driven treatment is desired and sodium persulfate concentrations up to 100 g/L may be used. Similarly, in zones of very high tar concentrations, concentration of VeruSOL® up to 20 g/L may be used to accelerate treatment.

For Full Scale Injections, permanent injection wells will be used. The use of permanent injection wells overcomes many of the equipment/mechanical failures that are associated with the use of Geoprobe® injection points. Additionally, permanent wells allow for more flexibility in injection, such that the wells can be reused throughout the injection process. A recommended 24 to 30 permanent injection wells are recommended across the Site to achieve best distribution and optimal contact with contaminated areas.

Wavefront's Primawave™ Technology will be used at each injection well during Full Scale Injections. During the Pilot Test the pressure pulse created better distribution throughout the subsurface compared to conventional injection methods. Additionally, the pressure pulse well helped maintain consistent flow rates. Usage of the Primawave™ technology will help maintain a reliable schedule of injections by maintaining the consistent flow rates, and assuring the greatest distribution of injected chemical.

2.0 Introduction

This Pilot Test Report provides the background, methodology, and results of an *in-situ* chemical oxidation Pilot Test conducted at Parcel 8 from February through May 2010. The Pilot Test work plan was submitted to the New York State Environmental Conservation (NYSDEC) and was approved by the Agency on September 10, 2009. This report is an addendum to the Parcel 8 Remedial Action Work Plan submitted to NYSDEC on April 8, 2010.

The objectives of the Pilot Test Report are to describe the process, methodology, and results of the Parcel 8 Pilot Test and to provide NYSDEC with the specifics of Full Scale implementation of the *in-situ* chemical oxidation portion of the overall remedy described in the RAWP.

2.1 Project Background

Several remedial investigations (AKRF 2005; TRC 2005, 2005; Fleming-Lee Shue, Inc., 2008) indicated the presence of contamination, most of which is related to creosote derived from the distillation of coal tar used in historic manufacture of roofing products. Mass calculations by Fleming Lee Shue, Inc. 2008 based upon these prior investigation results indicate that Parcel 8 contains an estimated 80,000 pounds of contamination in the subsurface. More than 80 percent (64,000 pounds) of this contaminant mass lies below the water table, from approximately 8 to 10 feet below grade to 24 feet below grade. A lesser amount occurs from 24 feet below grade to approximately 37 feet below grade, atop a dense till layer. Within the proposed treatment zone, 10 to 22 ft bgs, there is an estimated 53,600 pounds (24,313 kg) of contaminant. The contamination occurs as residual NAPL held within the small pore spaces in the soil matrix. NAPL in this form will remain in the soil for many decades or longer, with continued adverse impacts to soils and groundwater. At some locations at Parcel 8, levels of benzene, toluene, ethylbenzene, total xylenes (BTEX); naphthalene; and PAHs in soils currently exceed regulatory limits, with some groundwater concentrations exceeding regulatory levels by orders of magnitude.

2.2 Technology Background

While this type of contamination is often removed by excavation, due to the increasingly residential nature of the area and the desire to avoid the extended duration and traffic, noise and odor issues associated with an excavation remedy, a major component of the selected remedy described in the RAWP is *in-situ* chemical oxidation, utilizing the following technologies:

1. Wavefront Technology Solutions, Inc's. Primawave™ (or Powerwave™) process was used to open up the pore space and increase permeability to enhance uniform delivery of treatment chemicals, such as VeruTEK's VeruSOL® and sodium persulfate, throughout the contaminated media at the pore scale level. The unique characteristic of Primawave™ is its ability to harness highly accelerated fluid pressure pulses to mobilize contaminants and move fluids, contaminants, or treatment amendments through saturated porous or elastic media (soil and rock). The process creates subsurface pressure waves of high amplitude and low frequency that open pores, increase pore interconnectivity, and optimize dispensing and

dispersal of fluids, such as treatment amendments more effectively. This is an improvement over the conventional methods, as treatment chemicals contact and dissolve the NAPL prior to destroying the contaminant. As opposed to the “fingering” inherent in conventional injection, Primawave™ dispenses oxidant evenly at the pore scale level where it will treat most NAPL almost immediately and establish a gradient with any remaining contamination, enabling the oxidant to “seek out” and destroy the remaining contamination. Wavefront’s Sidewinder™ tool was used for the injections.

2. VeruTEK’s Surfactant Enhanced *in Situ* Chemical Oxidation (S-ISCO®) technology combines a plant-based surfactant with a strong oxidizer, solubilizing the NAPL into aqueous solution to make the residual contamination available for oxidation. The plant-based surfactants are unique in that they are not rapidly consumed by the oxidant, rendering them unavailable. S-ISCO® is patent pending.

3. Rem-Metrik is a patent pending process (US Patent Application No. 12/437,824; International Patent Application No. PCT/US09/43434) that serves to accurately quantify subsurface contamination and measure the effectiveness of treatment. Rem-Metrik measures the contaminant mass, identifies its location and distribution, targets remediation, establishes remediation benchmarks, and quantifies performance of *in situ* treatment. Rem-Metrik establishes a means of obtaining scientifically-based mass and/or volume measurements to quantify the degree of remediation.

The unique aspect of this alternative treatment methodology is the ability to overcome the standard obstacles to effective remediation: 1) even distribution of the oxidant and dispersion at the pore-scale level, 2) solubilizing the NAPL contaminant into the aqueous phase where it can be oxidized and 3) identifying the amount and location of the contaminant mass to effectively target treatment.

2.3 Site Geology and Hydrogeology

2.3.1 Stratigraphy

Parcel 8 contains historic urban fill, consisting of brown medium to coarse sands intermixed with concrete, brick, and ash, from ground surface to between approximately 7 and 25 ft-bg followed by brown medium to coarse sands, silts and clays, from approximately 29 to 35 ft ft-bg, where a heavily consolidated grey silt/till stratum begins. The till occurs beneath most of Parcel 8 and typically begins at 28 to 31 ft-bg.

A lens of silt and silty clay occurs over approximately 85 percent of Parcel 8. The silty layer begins at 15 to 18 ft-bg and ends at 18 to 25 ft-bg. This unit likely separates an upper surficial groundwater aquifer (approximately 10 to 20 ft-bg) and a lower groundwater surficial aquifer (approximately 20 to 30 ft-bg). The two aquifers were observed to be hydraulically connected through discontinuities in the silt/clay layer.

2.3.2 Hydrogeology

The average horizontal hydraulic gradients in the shallow and deep zones are 0.0032 and 0.0035, respectively. While these gradients are relatively similar; the gradient measurements are more variable in the deeper zone.

The net vertical hydraulic gradient is downward, regardless of tidal cycle or stage. The average vertical gradient measured 0.06. The ratio of horizontal to vertical gradient is slightly less than 20 horizontal to 1 vertical.

Hydraulic conductivity in the shallow groundwater zone ranged from 3.0×10^{-4} cm/sec (0.85 ft/day or 0.36 Darcies) to 1.7×10^{-2} cm/sec (48 ft/day or 20.5 Darcies) and averaged 5.1×10^{-3} cm/sec (14.5 ft/day or 6.1 Darcies). In the deep groundwater zone conductivity ranged from 2×10^{-4} cm/sec (0.57 ft/day or 0.24 Darcies) to 2.1×10^{-3} cm/sec (6 ft/day or 2.5 Darcies) and averaged 8.8×10^{-4} cm/sec (2.5 ft/day or 1.1 Darcies). On average, hydraulic conductivity in the shallow groundwater zone was approximately six times greater than in the deeper zone.

Seepage velocity, using effective porosities for medium and coarse sands of 0.25 to 0.35, ranged from 2.7×10^{-6} cm/sec to 2.2×10^{-4} cm/sec and averaged 3.4×10^{-5} cm/sec in the shallow groundwater zone. In the deeper groundwater zone, seepage velocity ranged from 2.8×10^{-6} cm/sec to 2.9×10^{-5} cm/sec and averaged 1.1×10^{-5} cm/sec.

3.0 Pilot Test Objectives

The purpose of the Pilot Test was to obtain site-specific design information for Full Scale application, to assess contact between contaminant and oxidant using PrimawaveTM and S-ISCO[®] as an *in-situ* remedy, and to determine the design parameters for Full Scale application. The Pilot Test was not designed to achieve full remediation within the test areas.

Prior to the Pilot Test a bench-scale study, utilizing Site soil and groundwater samples, was conducted to test different oxidant and surfactant combinations. The tests showed that site contamination could be destroyed in place using a plant-based surfactant and sodium persulfate activated with sodium hydroxide, where sodium hydroxide raised the soil pH to 10 or higher. With the proper oxidant, surfactant, and proper pH, the bench scale study on soil columns demonstrated that contaminant reduction in excess of 95 percent could be achieved if effective contact between the contaminant and the oxidant is accomplished.

The Pilot Test was designed to evaluate this mixture under field conditions and to evaluate the following critical design elements:

- **Effectiveness**

The objective of the Pilot Test was to obtain design parameter information and evaluate the extent of dispersion and contact, necessary for the full scale application. For the purpose of the Pilot Test, approximately 7 to 8 percent of the amount of oxidant required for Site-wide Full Scale treatment utilized (i.e., the amount which achieved over 95 percent reduction in the bench scale study), was applied. Likewise, approximately 3 percent of the full scale treatment volume was applied during the Pilot Test.

- **Radius of Influence (ROI)**

The ROI is the radial distance from the injection point to a location at which the treatment amendment is no longer effective. A determination of the ROI 1) enables placement of the injection points for the full-scale design at locations which maximize treatment effectiveness, 2) aids in determining both concentrations of treatment amendment and duration of treatment, and 3) provides a basis for selecting the number of injection points.

- **Injection Rate and Volume (minimum, maximum, sustainable)**

The sustainable injection rate is a key design parameter that influences both the effectiveness and duration of treatment. This parameter determines how much material can be injected and whether the injection rate will remain the same or decrease. With conventional injection, the injection rate often drops appreciably after an initial period.

In addition to the above, the following information was also collected during the pilot study:

- **Mobilization and migration of contamination.** During the Pilot Test continuous monitoring was performed to determine the degree, if any, to which residual NAPL could be mobilized and/or potentially released to water bodies or other receptors during the remedial process.

- **Soil Gas.** Soil gas sampling was conducted to address concerns regarding potential increased generation of VOCs in soil gas.

Additional Observations. Detailed observations regarding all elements of injection, reactions, instrumentation, equipment and other factors that could potentially influence the outcome of the full-scale application were recorded

4.0 Pilot Test Methodology

The major elements of the Pilot Test methodology are described in the following sections.

4.1 System Installation and Preparation

Injection Points. The Pilot Test utilized four test locations; two of these locations were used to measure test parameters using excitation wells designed specifically for injecting the treatment amendments using the Primawave™ technology. The other two locations were designed to test injection of the treatment amendments using Primawave injection through Geoprobe well points.

Excitation Well Clusters. Each cluster consisted of an upper interval and lower interval pulse well constructed of 2-inch-diameter 20-slot, schedule 80 PVC with a maximum of 6 feet of well screen. A description of each well cluster is provided below:

Excitation Well Cluster 1 (Injection Well 24): Unit, Medium to coarse sand (Grid Cell 17/24); upper well screen interval, Stratum 1, is 10-16 feet bg and the lower interval, Stratum 2, is 16-22 feet bg.

Excitation Well Cluster 2 (Injection Well 27): Unit, Medium to coarse sand and silty clay (Grid Cell 27); upper well screen interval, Stratum 1: 10 to 16 feet bg (medium to coarse sand) and the lower interval, Stratum 2, is at 16-22 feet bg (silty clay).

Geoprobe Well Points. At these locations, the probe was advanced to the desired treatment depth and withdrawn as the material was injected. The withdrawal rate was coordinated with the injection rate so as to apply the proper amount of oxidant evenly over the treatment interval.

- Excitation Well Point 1 (IW-11): Unit, Medium to coarse sand (Grid Cell 11); treatment interval 10 to 27 feet bg, collectively referred to as Stratum 1.
- Excitation Well Point 2 (IW-19): Unit, Medium to coarse sand and silty clay (Grid Cell 19); treatment interval of 10 to 27 feet bg, collectively referred to as Stratum 1.

The injection point locations are shown on Figure 1. Injection Well 24 (IW-24, Shallow [Stratum 1]/Deep [Stratum 2]), is located in grid cell 17/24 in the southwest part of Parcel 8, one of the most heavily contaminated areas of the Site. IW-27 Shallow [Stratum 1]/Deep [Stratum 2], located in Grid Cell 27, was also installed in a heavily contaminated area. The Geoprobe well points, IW-24 and IW-19, were located in the center and eastern parts of Parcel 8, areas of relatively lower contaminant mass. The test locations were chosen on what was known about the Site based on the extent of contamination following the remedial investigation. The actual contaminant mass in each of the small test locations varied from location to location.

4.2 Preparation and Application of Treatment Chemicals

VeruTEK had previously conducted a laboratory study to determine the best remedial option for the Parcel 8 Site. Various oxidation technologies were evaluated, revealing alkaline activated persulfate as the most effective method, being able to destroy up to >99% of COCs in oxidation tests, and 96% of COCs in column tests. Based on these results, a mixture of surfactant (VeruSOL-3™), sodium persulfate ($\text{Na}_2\text{S}_2\text{O}_8$), and sodium hydroxide (NaOH) was prepared as the treatment mixture. The surfactant solubilizes the NAPL prior to oxidation of the contaminant by the sodium persulfate. Sodium hydroxide is applied to raise the pH to 10 or more in order to activate the persulfate.

As previously discussed, the effectiveness of the treatment mixture was assessed via the bench-scale study. As the goal of the pilot did not include full remediation of the pilot areas, significantly lower doses were utilized in order to assess the distribution of the treatment amendment using the pressure pulse methodology.

Batching Operations

Individual 1,000-gallon batches were mixed in a high density polyethylene (HDPE) tank, using New York City drinking water from the hydrant on 47th Road. At each injection point,

the chemical mixture was pumped to the test location through 1-inch-diameter reinforced flex-hose equipped with an in-line digital flow-meter (to measure flow rate) and totalizer (to measure total flow), and injected into the subsurface until the batch was exhausted. The concentration of each constituent of the chemical mixture, the amount of chemical used in each batch and the total amount of that constituent used in the Pilot Test are provided in Matrix 1.

Matrix 1 -Chemical Batching Log

Material	Concentration, g/L	Amount per Batch	Total for Pilot Test
VeruSOL-3™	5	5 gal	130 gal
Sodium Persulfate	100	827 lbs	21,763 lbs
Sodium Hydroxide	10	40 gal	1,040 gal
Water	--	900 gal	22,800 gal
Total	--	--	26,000 gal

Pilot Test Injections

All injections were completed using Wavefront's Sidewinder™ tool, except at location IW-19, where the tool temporarily malfunctioned. The oxidant and surfactant at this location were injected using conventional injection, i.e., using a conventional pump to push the material through the injection point.

Table 1 presents the injection date, volumes and mass for each injection point. The following, Matrix 2, summarizes the approximate volume of the surfactant-oxidant dose mixture, injection method, and treatment interval for each test location.

Matrix 2 - Summary of Injections

Injection Point	Total Liquid Injected (gals)	Injection	Treatment Interval, (fbg)
IW-24S	3,000	Pressure Pulse	10 - 16
IW-24D	4,100	Pressure Pulse	16 - 23
IW-27S	3,600	Pressure Pulse	10 - 16
IW-27D	4,500	Pressure Pulse	10 - 16
IW-11	3,600	Pressure Pulse	11 - 27
IW-19	3,300	Conventional injection	11 - 23

The planned duration of the injection phase was ten (10) work days. The actual duration of this phase was approximately 17 days, primarily due to typical field issues such as adverse weather conditions (extreme cold, heavy snowfall, and wind) and equipment malfunction. The injection phase ran from 2/4/10 through 2/24/10. The weather during this period was cold or cool for much of this period with temperatures ranging from 18° F (-8° C) to 46° F (8° C) and averaging 34° F (1° C). A major snowfall, 10.4 inches, occurred on 2/10/10 (National Weather Service Climate Data, Station Laguardia, NY, preliminary data).

Inherent in any Pilot Test is a learning curve. This is particularly true in this instance, since it is the first known application of the combination of the key elements: Primawave™,

VeruTEK's surfactant enhanced *in situ* chemical oxidation, and Rem-Metrik. If one excludes weather delays and minor equipment malfunction, the actual injection duration was approximately 12 days.

5.0 Pilot Test Monitoring Activities

Monitoring of the Pilot Test was conducted before, during, and after S-ISCO® injections. Monitoring was carried out to track the performance and progress of the implementation and collect data to evaluate the success of the Pilot Test in achieving the objectives for the project, specifically: effectiveness, ROI, injection parameters, and degree of contaminant mobilization/migration, in order to optimize the design for Full Scale treatment. The following sections describe the monitoring activities that were conducted.

5.1 Soil Sampling for Contaminant Analysis

Baseline soil samples were obtained from randomly selected sampling locations prior to S-ISCO® injections. Post-injection samples were taken from a new set of randomly selected locations.

The soil sampling plan included the collection of sixteen (16) randomly selected 0.5-foot-long soil samples from the area around each injection point. Each injection area was divided into four quadrants and two soil samples were to be collected from each quadrant. In the case of the shallow and deep excitation clusters, two samples per cluster per stratum were collected for a total of 16 soil samples. Pre-injection samples were collected between 1/11/10 and 1/22/10; post-injection samples were collected between 4/27/10 and 5/14/10.

Sample locations were selected using a random number table for bearing (AZ), depth, and sampling interval. Sampling in the area around the injection wells occurred within a soil test cylinder having a 15-foot radius, over two 6-foot depth intervals (10 to 16 feet and 16 to 22 feet) in both IW-24 and IW-27. Sampling in the area around Geoprobe injection points occurred within a soil test cylinder having a 15-foot radius over a depth of 27 feet in IW-11 and 23 feet in IW-19. All soil samples were collected from a radius ranging from one to 15 feet from the injection point.

Samples were analyzed for Target Compound List (TCL) volatile organic compounds (VOCs), Method 8260, and TCL semi-volatile organic compounds (SVOCs), Method 8270. Approximately 10 samples were analyzed for Total Petroleum Hydrocarbons (TPH), diesel range organics (DRO) and gasoline range organics (GRO), using Method 8015. The remaining samples were analyzed using a Site Lab analyzer in VeruTEK's laboratory. All samples except those intended for VOC analysis were homogenized at the laboratory before analysis.

5.2 Groundwater Sampling for Contaminant Analysis

Approximately eight groundwater samples per test point (two from each of the four quadrants) were collected and analyzed using the same procedure and analytical methods used for the soil samples. The groundwater samples were co-located with selected soil samples, and were, therefore, also selected randomly in both the pre- and post-injection

sampling rounds. Pre-injection samples were collected from 1/11 to 1/21; post-injection samples were collected from 4/28 to 5/12.

Groundwater samples were collected by advancing a Clean Geoprobe sampler to the desired depth and withdrawing the sleeve until six (6) inches of screen became exposed. A peristaltic sampler was used to collect the sample directly into the sample bottle. The intended sampling method (Waterloo profiler) was infeasible due to the time required to collect each sample. Following sample collection all soil and groundwater sampling locations were grouted using a tremi pipe and neat cement.

5.3 Groundwater Performance Monitoring

Groundwater from the network of monitoring wells existing on the site was collected before, during and after S-ISCO® injections for performance monitoring. Groundwater was monitored for pH, ORP, conductivity, interfacial tension (IFT), depth to water, temperature, turbidity, persulfate concentration, and TPH GRO/DRO concentrations. Parameters including pH, Conductivity, depth to water, and ORP were measured in the field using a calibrated Horiba U-22 and a flow-through cell. Analysis for pH, ORP, conductivity, IFT, temperature, turbidity, persulfate concentrations, and TPH GRO/DRO concentrations were performed in VeruTEK's laboratory in Bloomfield, Connecticut. These groundwater parameter data are included in Appendix X1.

A round of groundwater measurements was collected from the monitoring well network prior to injections, from 1/18/10 to 2/4/10 to establish baseline water quality parameters. During the injection period, measurements were collected periodically based on where injections were taking place. Subsequent to the Pilot Test injections, groundwater monitoring continued at a rate of approximately once per week for two months, at which time the monitoring results indicated that S-ISCO® reactions were near complete.

In addition a Schlumberger wireless pressure transducer (Micro Diver) was used to collect water level and temperature measurements. The instrument was placed in monitoring well MW-16S and collected readings at 5-minute intervals throughout the injection period, 2/4/10 through 3/2/10 or a total of 26 days. A transducer installed in injection well IW-24 did not yield useful information.

5.4 Electrical Conductivity (EC) Monitoring

EC measurements were collected at specific varying distances from the injection wells in order to directly measure the ROI and extent of oxidant coverage at each test location. These measurements were taken both prior to (baseline) and after S-ISCO® injection to enable tracing of the treatment agent through changes in conductivity. Continuous EC measurements were taken from grade to the bottom of the treatment interval. Continuous EC logs were made along each cardinal direction at intervals of 5, 10, 15, and 30 feet from the injection point. After the injections were completed, EC measurements were collected at the same locations, but offset by 1 to 2 feet from the original position to avoid electrolytic conductivity interference from the grouted EC boring. Pre-injection EC measurements were performed from 1/20/10 through 1/29/10 and post-injection measurements were collected from 3/4/10

through 3/17/10. All EC points were grouted using a tremi pipe and neat cement following sample collection.

5.5 Soil Vapor Monitoring

To address concerns regarding generation of VOCs in soil gas due to pulsing or oxidation reactions, soil gas samples were collected during the Pilot Test injection phase. On 2/23/10 two (2) SUMMA canisters were placed near IW-24 (SV-West) and IW-11 (SV-East). For consistency with the soil gas protocols followed in previous Parcel 8 remedial investigations, the probes were set approximately 4 feet below grade and sealed at the surface. Soil gas was sampled for 8 hours at a rate of ≤ 0.2 liters/minute and analyzed for VOCs by EPA Method TO-15. On this date (2/23/10) injection was ongoing at IW-11. Injection at IW-24 had been completed but the oxidation process was in progress and the subsurface was still pressurized by the pulsing.

5.6 Mobilization and Migration of Contaminants

All Parcel 8 monitoring wells and some adjacent offsite monitoring wells were gauged daily during the injection period and at a reduced frequency after injection ceased in order to monitor potential NAPL migration. Monitoring wells between Parcel 8 and the East River were gauged during the Pilot Test. At no time was evidence of NAPL migration observed. However, the measures listed in the RAWP to address free product or NAPL migration will be implemented during full scale treatment.

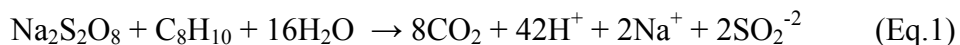
6.0 Monitoring Results & Discussion

This section presents the results obtained from monitoring activities during the Pilot Test and discusses the implications of these findings for Full Scale treatment. The results encompass both the critical design elements and additional information. This section presents the results of the pilot study and discusses the applicability of these findings to the design for Full Scale treatment.

6.1 Soil Gas

The results of the soil vapor sampling are provided in Table 2. These results should be evaluated in the context of the following information regarding the effect of the *in situ* remediation on subsurface soil vapor. The pulsing action generated by Primawave™ works solely in the saturated zone. In the vadose zone, the pulses do not change the gas pressure because the pulses cease when they encounter unsaturated conditions that contain air, which is compressible.

The sole gaseous product generated from oxidation of the contaminant mass is carbon dioxide (CO₂), a non-toxic gas that is already present in soil gas as part of natural decomposition processes. Using ethylbenzene as an example, the stoichiometric equation for the oxidation of organic contamination using sodium persulfate (Equation 1) demonstrates this fact:



Some CO₂ will remain dissolved, some will remain in the soil gas, and a portion will diffuse into the air. No other gaseous by-product results from the oxidation process, regardless of the organic compound.

During investigations, prior to the Pilot Test, baseline concentrations of CO₂ in soil gas ranged from 0.03 percent to 11.2 percent and averaged 3.6 percent (~36,650 parts per million by volume). Carbon dioxide levels in soil gas are expected to increase while contaminant concentrations in soil and groundwater simultaneously decrease during S-ISCO® treatment.

Following S-ISCO® treatment VOC concentrations in the saturated zone are expected to decrease significantly (as previously discussed, VOCs in the unsaturated zone would remain unaffected.) Regarding any VOCs that do remain, the persulfate oxidation reaction, which is slightly endothermic, slightly cools the soil, thereby eliminating the thermal driving force for migration of any residual VOCs to the surface.

The results of the two Pilot Test soil gas samples were compared to the 12 baseline soil gas samples collected during the remedial investigation of Parcel 8. The complete sampling results from the two SUMMA canisters are presented in Table 3. The matrices below present summaries of the baseline soil gas and Pilot Test soil gas results for the key compounds in the analysis.

Matrix 3 – Baseline Soil Gas Summary, ug/m³

Compound	N	Min	Median	Max
Benzene	12	nd	11.3	119
Toluene	12	nd	16.5	79.9
Ethylbenzene	12	nd	1.9	15
Total Xylenes	12	nd	8.8	71.7
BTEX	12	nd	41.4	285.6
Total VOCs	12	402	620	2,031
Chlorinated VOCs	12	61.4	289	1,370
Trichloroethylene	12	nd	nd	29
Tetrachloroethylene	12	6.4	30.5	216

Matrix 4 – Pilot Test Soil Gas Summary, ug/m³

Compound	N	Min	Median	Max
Benzene	2	2.7	3.75	4.8
Toluene	2	29	42	55
Ethylbenzene	2	8.3	9.65	11
Total Xylenes	2	42	48.4	54.7
BTEX	2	81.7	104	126
Total VOCs	2	377	2,950	5,523
Chlorinated VOCs	2	24.4	55.3	86.3
Trichloroethylene	2	1.6	2.15	2.7
Tetrachloroethylene	2	5.6	6.55	7.5

To address the limited sample number and variability of the results, three simple statistical comparisons, the Wilcoxon Rank Sum; the non-parametric equality-of-medians; and the sign rank test, were used to compare the results for total chlorinated VOCs; total xylenes; total VOCs; BTEX; tetrachloroethylene and trichloroethylene. These statistical methods are described below.

1. The Wilcoxon Rank Sum (Mann-Whitney) and a non-parametric equality-of-medians test were used to compare the baseline and Pilot Test soil gas results (Stata Corp. [R] equality tests on unmatched data)
2. The non-parametric equality-of-medians “performs a nonparametric K-sample test on the equality of medians. (Stata Corp. [R] equality tests on unmatched data, Ver. 10).
3. The sign rank test which “tests the equality of matched pairs of observations using the Wilcoxon matched-pairs tests . . .” (Stata Corp. [R] equality tests on unmatched data, Ver. 10). In this case the Pilot Test results were compared to the baseline soil gas mean concentration.

The statistical comparisons test whether there is a difference between the medians or matched pairs that is statistically significant or if the measurements are within the expected variation. Overall due to the lack of data points, the results of these tests indicate that no meaningful difference exists between the baseline and Pilot Test median soil gas test results. The only exception was seen in the results of the rank sum analysis for chlorinated VOCs. This result, which indicated a significant decrease in the Pilot Test sample, is inconsistent with the other statistical analyses, and is considered spurious and not indicative of a downward trend.

A comparison of the maximum values for baseline and Pilot Test soil gas concentrations, however, reveals significant reductions, shown in Matrix 5. Given that soil gas samples in the baseline and Pilot Test sampling events were taken in relatively similar areas, these data provide a means of evaluation.

**Matrix 5 – Reduction in Max Soil Gas
Concentrations, ug/m³**

Compound	Reduction	% Reduction
Benzene	114.2	96.0
Toluene	24.9	31.2
Ethylbenzene	4	26.7
Total Xylenes	17	23.7
BTEX	159.6	55.9
Total VOCs	-3492	-171.9
Chlorinated VOCs	1283.7	93.7
Trichloroethylene	26.3	90.7
Tetrachloroethylene	208.5	96.5

Matrix 5 indicates that the maximum measurement for all contaminant compounds measured was reduced, from 23.7% for total xylenes to as much as 96.5% for tetrachloroethylene. The only exception to the reductions was total VOCs. Total VOCs are expected to rise due to the presence of the citrus terpenes, volatile organic compounds found in VeruSOL®, the surfactant used in the remediation. Citrus terpenes are plant-based, biodegradable, non-toxic compounds that do not pose any threat or negative impact.

The soil gas sampling provided a meaningful measure of contaminant reduction as a result of the Pilot Test and will provide additional useful data during the full-scale implementation when sampling activities are carried out as described in Section 3.4.4 of the Remedial Action Work Plan

6.2 Electrolytic Conductivity (EC) Analysis

The activator, sodium hydroxide, is a strong electrolyte that will increase EC. Since it is mixed with the oxidant, sodium persulfate, which is also a strong electrolyte, during S-ISCO® injections, an increase in EC is a direct indication of the extent to which the oxidant has travelled, or can potentially travel unless consumed by the contaminant.

The continuous measurements of pre- and post-treatment EC in soils at the specified increments yielded up to 16 individual plots per test location to evaluate the radius of influence. Figures 2, 3, 4, and 5 show the data for all test locations. The individual plots for each bearing and radial distance appear in the figures. For example, the plot “15 North” shows the pre- and post-injection EC results at a location 15 feet north of the IW-24 center point. Some plots are missing (Gridcell 24: 30N, 10E, 30E; Gridcell 27: 5S, 30S, 10W; Gridcell 11: 15N, 5E, 30S, 10W, 30W; Gridcell 19: 15N, 30 N, 10S) because of equipment malfunctions or interference by debris at a given location.

IW-24 – Pressure Pulse Injection, Well

The continuous EC data plots in Figure 2.1 show an overall increase in EC following injection (Figure 2.2 shows the raw data in log scale). This is apparent in almost all the plots with the exception of 5 South and 10 West. Figure 2.1 shows that EC increased along each cardinal direction and out to the 30-foot point in both 30 South and 30 West.

Based on the results in 15 North and 15 East, it seems reasonable that EC increased in 30' North and 30' East at the 30-foot mark as well.

Figure 2.3 illustrates the difference between the pre-injection conductivity and the post-injection conductivity, i.e., the residual conductivity. Most of the plots show a sizable EC increase over the pre-injection conductivity along with fairly even coverage with relatively few gaps. Matrix 6 summarizes the pre- and post-injection EC results for the data 10 or more ft-bg.

Matrix 6 – IW-24 EC Data Summary

Units in mS/m; cv unit less

variable	n	min	max	mean	cv
EC pre-injection	3,614	20.97	9,900	136	2.75
EC post-injection	2,851	0.03	1,095	224	0.93

The summary shows that the pre-injection EC values were much more variable compared to the post-injection EC results and that mean EC conductivity increased by 65 percent following injection. This result implies good contact between oxidant and the soil because EC variability decreased while the overall EC increased after injection. The CV decreased by almost three-fold following injection.

Figure 2.4 shows the percent difference between the pre- and post-injection EC results. The plots depict a net EC increase in every plot. The percent differences ranged from (-99.9) percent (negative values were nearly all near the water table where there may have been interference from debris) to increases of more than 1,100 percent. On average, there was a 96.3 percent increase over the pre-injection results.

IW-27 – Pressure Pulse Injection, Well

The raw data plots in Figure 3.1 show a pronounced increase in EC following injection (Figure 3.2 shows the raw data in log scale). This is apparent in almost all the plots with the exception of 30 East. Figure 3.1 shows that EC increased along each cardinal direction and out to the 30-foot point in both 30 North and 30 West. Based on the results in 15 South and 15 West, it seems reasonable that EC increased in 30 South at the 30-foot mark as well. Based on the results of 30 North and 30 West, it appears that the injection went beyond 30 feet.

Figure 3.3 illustrates the difference between the pre-injection conductivity and the post-injection conductivity, i.e., the residual conductivity. Most of the plots show a sizable EC increase over the pre-injection conductivity along with fairly even coverage with relatively few gaps. Plots 30 East and 15 West show minimal coverage and a gap, respectively. Matrix 7 summarizes the pre- and post-injection EC results for the data 10 or more ft-bg.

Matrix 7 – IW-27 EC Data Summary

Units in mS/m; cv unit less

variable	n	min	max	mean	cv
EC pre-injection	2,875	0.68	374	107	0.51
EC post-injection	2,662	0	9,900	257	3.83

Unlike IW-24, the summary shows that the measurements were more variable in the post-injection EC results, but as in IW-24 the mean EC conductivity increased over the pre-injection results, in this instance by almost 140 percent following injection. This large factor of increase implies good contact between oxidant and the soil. For IW-27, the increased variability is not a significant concern since the variability increase is linked to the extremely large increase in conductivity following injection; the CV increased by almost four-fold following injection.

Figure 3.4 shows the percent difference between the pre- and post-injection EC results. The plots depict a net EC increase in every plot except for 30 East. The percent differences ranged from (-100) percent (again, the negative values were nearly all near the water table where there may have been interference from debris) to increases of more than 32,200 percent. On average, injections led to more than a 450 percent increase over the pre-injection results.

IW-11 – Pressure Pulse Injection, Geoprobe

The raw data plots in Figure 4.1 show an increase in EC following injection in most of the plots. The increase in EC following injection is not as complete, however, as it was with the well injections and an increase in EC is not apparent in the lower levels in many of the plots (e.g., 10 North; 30 North; 10 East; 15 east; 10 South; and 15 West). Figure 4.2 shows this raw data in log scale.

Plots 30 North and 30 East show an increase in EC at 30 feet, but, based on plots 15 South and 15 West, it does not appear that the injection reached this far (30 ft) in these cardinal directions.

Figure 4.3 illustrates the difference between the pre-injection conductivity and the post-injection conductivity, i.e., the residual conductivity. Most of the plots show a sizable EC increase over the pre-injection conductivity, except in the deeper levels in six of the plots. Where there is an increase in EC, the increase appears relatively even, with few gaps. Matrix 8 summarizes the pre- and post-injection EC results for the data 10 or more ft-bg.

Matrix 8 – IW-11 EC Data Summary

Units in mS/m; cv unit less

Variable	n	min	max	mean	cv
EC pre-injection	2,295	4.54	499	91	0.99
EC post-injection	2,493	34.1	6,622	187	1.26

This summary shows that the measurements were more variable in the post-injection period, and as with IW-24 and IW-27, the mean EC conductivity increased over the pre-injection results, in this instance by 105 percent following injection. This large factor of increase implies good contact between oxidant and the soil, although as noted, contact was limited in the deeper levels. The variability difference before and after injection is comparatively small, and the increase in variability is most likely due to the large increase in conductivity following injection; the CV increased by 1.3 times following injection, a modest increase.

Figure 4.4 shows the percent difference between the pre- and post-injection EC results. The plots depict an EC increase in every plot. The percent differences ranged from (-72) percent to increases of more than 13,800 percent compared to the pre-injection EC measurements. On average, there was a 422 percent increase over the pre-injection results, overall. Note that unlike the well injections, where negative values occurred near the water table, the negative values in the Geoprobe injection occurred at the bottom levels.

IW-19 – Conventional Injection, Geoprobe

Conventional injection occurred in IW-19 because the Sidewinder required repair on the scheduled injection day. It should be noted that pressure pulse injection occurred in IW-19 for a few hours the day before the chemical injection to test the injection point. The influence of this on is unknown. Nevertheless, IW-19 serves as a control point and as a basis for comparison of conventional and pressure pulse injection methods.

The raw data plots in Figure 5.1 show an increase in EC following injection (Figure 5.2 shows the raw data in log scale) in most of the plots, but the net increase in EC at the 30-foot mark is absent in 30 East and confined to a preferential pathway in 30 South. EC in post-injection plot 15 East was negative (-18 percent) indicating that there was no net change following conventional injection at this point.

Figure 5.3 illustrates residual difference between the pre-injection and post-injection EC. The plots show sizable EC increases within 15 feet, with few gaps, except for 15 East. Beyond the 15-foot mark, however, there appears to be more variability and a marked decrease in EC following injection. Beyond 15 feet, the increases in EC, where they occur, appear mainly at the deeper levels. Notable from Figure 5.3 is the fairly consistent lack of positive increases in residual conductivity at shallower depths. This trend is apparent in the 5' and 10' intervals and becomes even more pronounced beyond 15'. The EC increase in IW-19 at greater depths is a factor of the density-driven transport of injections made in this well using conventional injection techniques. Matrix 9 summarizes the pre- and post-injection EC results for the data 10 or more ft-bg.

Matrix 9 – IW-19 EC Data Summary

Units in mS/m; cv unit less

variable	n	min	max	mean	cv
EC pre-injection	2,926	10.2	2,454	115	1.15
EC post-injection	2,803	0	2,471	165	0.77

The summary shows that the measurements exhibited about the same variability in both the pre- and post-injection periods, but as with IW-24, IW-27, and IW-11, the mean EC conductivity increased over the pre-injection results, in this instance by 43.5 percent. The result implies good contact between oxidant and the soil mainly within 15 feet of the injection point. The variability difference before and after injection is comparatively small; the CV decreased by 1.5 times following injection, a modest decrease.

Figure 5.4 shows the percent difference between the pre- and post-injection EC results. The plots depict an EC increase in most plots out to 15 feet; beyond 15 feet EC results are more variable or minimal. The percent differences ranged from (-100) percent an increase of more than 1,950 percent compared to the pre-injection EC measurements. On average, there was an overall increase of 129 percent over the pre-injection results.

Overall EC Analysis

Matrix 10 summarizes the percent changes in EC over distance from the injection points for each test point. The last column lists the percent net mean EC increases for all EC measurement 10 ft-bg and deeper.

Matrix 10
Summary of Percent Change in Mean EC in Distance from Injection Point

Test Point	5 ft	10 ft	15 ft	30 ft	Total	% Change in Overall EC ¹
IW-24, pp	253 (.79)	33 (.10)	24 (.08)	10 (.03)	96	65
IW-27, pp	83 (.04)	74 (.04)	84 (.04)	1,858 (.89)	451	140
IW-11, pp	1,225 (.82)	73 (.05)	86 (.06)	110 (.07)	422	105
IW-19, con	207 (.43)	178 (.37)	74 (.15)	24 (.05)	129	43.5

¹ = (Overall post-inject mean – Overall pre-inject. mean)/Overall pre-inject. mean * 100

pp, pressure pulse injection; con, conventional injection

253 – Percent increase in EC at all 5-ft points at test point

(.79) – Fraction of percent change along transect (e.g. 253+33+24+10 = 320; 253/320 = .79)

Matrix 10 shows that EC changes are greatest closest to the injection point and decrease moving outward, as expected. An exception is IW-27 where 89 percent of the change occurred at 30 feet. There was no discernable pathway by which this occurred.

In IW-19, conventional injection, the percent change was more evenly distributed moving outward from the test point. The implication is that the oxidant was less evenly distributed, allowing a fixed amount to travel farther, at the expense of less even distribution. This appears to be the case since in IW-19 the percent change was more evenly distributed along the transects but the net percent change in EC was 141 percent lower $[(105-43.5)/43.5*100]$ than the pressure pulse injection in IW-11 (Geoprobe) and 138 percent lower than the average of all pressure pulse test points $[(65+140+105)/3 - 43.5]/43.5*100]$. The overall net change in EC in the pressure pulse injection points ranged from 60 to 140 percent and averaged 103 percent. In comparison the net percent change in EC in the conventional injection point measured 43.5 percent.

In hindsight, the procedure used to measure changes in EC appears too conservative and did not extend far enough to capture the limits of injection since, in all test points except for IW-19, EC increased appreciably at 30 feet. Although EC measurements terminated at 30 feet from the injection points, instrument and visual observations in nearby monitoring wells provide qualitative indications of injection extent. The results of this monitoring are discussed in the later following section, 6.4.

6.3 Injection System Analysis

Injection Rate

Matrix 11 summarizes the injection rates at each injection point by injection type.

Matrix 11 – Summary of Injection Rates

Injection Point	Date	Injection Rate (gpm)
<i>Conventional</i>		
IW-24, S1	2/4/10	6
IW-19	2/18/10	10
IW-11	2/23/10	12
IW-24, S2	2/18/10	13
IW-19	2/19/10	13
<i>Pressure Pulse</i>		
IW-24, S1	2/4/10	5.5**
IW-24, S1	2/5/10	6**
IW-24, S1	2/12/10	12
IW-11	2/24/10	12
IW-24, S2	2/9/10	12
IW-11	2/24/10	12
IW-11	2/23/10	12
IW-27, S1	2/12/10	12
IW-27, S2	2/17/10	12.5
IW-27, S2	2/16/10	12.5
IW-27, S1	2/15/10	12.6
IW-19	2/17/10	13
IW-24, S2	2/8/10	13

** Uncertain that pressure pulse was operational at this time.

The injection rates for all points, using both pressure pulse and conventional injection methods, ranged from 5.5 gallons/minute (gpm) to 13 gpm and averaged 11.2 gpm. Injection rates for conventional injections ranged from 6 to 13 gpm and averaged 10.8 gpm; injection rates for pressure pulse injections ranged from 5.5 to 13 gpm and averaged 11.3 gpm. On 2/4/10 and 2/5/10, the flow rates in IW-24, Stratum 1 (the first two days of injection) are significantly lower than the flow rates achieved during all other pressure pulse injections, including subsequent injections in IW-24, Stratum 1 on 2/12/10 when the flow rate was approximately double. This can be attributed to ineffective running of the pressure pulse injection: the injection pressure was significantly lower at this time than during subsequent days and there was no pressure differential between the input and output pressure.

When the early pressure pulse injection rates from IW-24, Stratum 1 are ignored, a revised range of pressure pulse injection rates is 12 to 13 gpm, with an average of 12.3 gpm. This

represents a 13.9 % increase over conventional injection, overall. In the case of IW-24, S1, the data indicates that the pressure pulse increased the injection rate by a factor of two (100%) from the conventional injection rate. For IW-19, pressure pulsing increase the flow rate by 13%.

Variability analysis indicates that Injection rates by pressure pulse are less variable than conventional injection. Variability in conventional injection rates measured 27 % (coefficient of variation (CV) = standard deviation/mean) compared to 3 % for the pressure pulse. This variation may be due to the tendency of conventional injections to disperse injected fluids along preferential pathways, while pressure pulse injections tend to distribute the fluid more evenly through the porous medium.

If the measurements obtained for the two earliest injection rates (where the pressure pulse was not fully operational, or at all operational) are grouped with the conventional injection rates, the conventional injection ranged from 5.5 to 13 gpm, averaged 9.4 gpm and had a CV of 34 % (n=8). In contrast, pressure pulse injection ranged from 12 to 13 gpm, averaged 12.3 gpm, and had a coefficient of variation of 3.2 percent (n=11). In one instance there was no difference in injection rate between conventional injection and pressure pulse. At the other extreme, there was a 100 percent increase in injection using pressure pulse. Across all comparisons, the percent increase in sustained injection rate using pressure pulse compared to conventional injection was approximately 31 percent.

A comparison of injection rates by pressure pulse in wells versus Geoprobe points indicates similarity in rates. The average injection rates in the Geoprobe point (IW-11) measured 12.3 gpm with a CV of 4 percent (n=4), and in the wells (IW-24 & IW-27) measured 12.4 gpm with a CV of 3 percent (n=7).

A difference between conventional injection and pressure pulse was also observed when comparing Geoprobe locations only, where conventional injection only was done in IW-19. Some of the lower conventional injection rates may be attributable to hydraulic conductivity decreases as the Geoprobe tip was drawn through silty layers; however, this does not appear to be the case in IW-19, which includes a silty clay lenses.

The sustainable injection rate achieved using pressure pulse measured 12 to 13 gpm, approximately twice the rate originally anticipated by VeruTEK which estimated flow rates between 5 to 10 gpm. This remained the same in both the shallow and deeper groundwater regime even though hydraulic conductivity in the deeper stratum was approximately six times less conductive than the shallow regime.

Pilot Test Injections

Matrix 12 shows a comparison between the volume of S-ISCO® chemicals injected during the Pilot Test and that planned to be injected during Full Scale implementation at each location.

Matrix 12 – Comparison of Pilot Test vs. Anticipated Full Scale Injection Volumes

Injection Point	Full Scale Liquid Volume (gal)	Pilot Test Liquid Injected (gal)	Pilot Test/Full-Scale Volume Fraction Injected (%)
IW-24S	29,400	3,000	10%
IW-24D	29,400	4,100	14%
IW-27S	29,400	3,600	12%
IW-27D	29,400	4,500	15%
IW-11	4,250	3,600	85%
IW-19	58,800	3,300	6%

Pilot Test injections ranged from 6% to 85% of the totals for Full Scale treatment. At all points except IW-11, the injected volume was far less than one-quarter of what will be injected during Full Scale. On average about 12% of the Full Scale volume was injected during the Pilot Test. During Full Scale implementation, as much as 17 times more treatment chemicals (in the case of IW-19, for example) will be injected, dramatically enhancing the ability of the treatment to contact and destroy the contamination. When pressure pulse technology is used during injections to increase the volume of pore spaces available to accept injections, adequate volume dosing is highly significant to treatment success. In order to ensure that the radius of influence is sufficient, a sufficient volume must be injected to fill the enhanced pore volume.

Matrix 13 shows a comparison between the mass of S-ISCO® chemicals injected during the Pilot Test and that planned to be injected during Full-Scale implementation.

Matrix 13 Comparison of Pilot Test vs. Anticipated Full Scale Chemical Mass Injection

Injection Point	Full Scale Mass (kg)	Pilot Test Mass Injected (kg)	Pilot Test/Full-Scale Mass Fraction Injected (%)
IW-24S	4,965	1,625	33%
IW-24D	4,965	1,688	34%
IW-27S	4,965	1,500	30%
IW-27D	4,965	1,875	38%
IW-11	718	1,500	209%
IW-19	9,931	1,250	13%

The mass of S-ISCO® treatment injected during the Pilot Test was between 13% and 209% of the mass to be injected during Full Scale treatment. IW-11 was initially anticipated based on previous site investigations to be a Geoprobe point for Full Scale injections compared to all other points in the Pilot Test, therefore resulting in the discrepancy between volume and mass.

When this data point (IW-11) is set aside, on average 29% of the Full Scale mass was injected during the Pilot Test. Although the mass of chemicals injected during the Pilot Test comprised a greater percentage of the Full Scale mass than the liquid volume did, overall, a substantially lower mass was applied during the Pilot Test than what was projected for Full

Scale remediation. Given this, it can be very conservatively assumed that contaminant reductions will be on average 29% of what they will be during Full Scale. Given that pH buffering and oxidant demand reactions are threshold based (i.e., once a capacity is exceeded then additional transport and reaction rates take place), additional treatment duration, chemical mass and liquid volume at Full Scale will provide a disproportionate increase in treatment effectiveness.

Matrix 14 summarizes the soil and pore volumes, based on 35% porosity, the volume injected at each location, and the fraction of available pore space treated by injection.

Matrix 14 – Summary of Test Volumes & Injected Volumes
(Porosity 35 Percent)

Test Point	Length, ft	Soil Vol., ft³	Pore Volume ft³	Vol. Inject, gal	Vol. Inject, ft³	Fraction of Pore Vol. Injected, 15-ft Radius	Fraction of Pore Vol. Injected, 30-ft Radius
IW-24S	6	4,241	1,484	5,065	677	0.46	0.11
IW-24D	6	4,241	1,484	3,790	506	0.34	0.09
IW-27S	6	4,241	1,484	4,500	601	0.40	0.10
IW-27D	6	4,241	1,484	4,500	601	0.40	0.10
IW-19	23	16,258	5,690	3,800	508	0.09	0.02
IW-11	27	19,085	6,680	3,600	481	0.07	0.02

Note that the fraction of available pore volume treated ranged from 0.07 to 0.46 and averaged 0.29 using a 15-foot radius. Using a 30-foot radius, because the EC results showed a much greater treatment region than anticipated, the pore volume treated ranged from 0.02 to 0.11 and averaged 0.07. The pore volume treated was notably smaller at the Geoprobe locations.

During the Pilot Test, 7.7 percent by mass, and 3 percent by volume, of the amount of S-ISCO® chemicals (oxidant, activator, and surfactant) estimated for Full-Scale treatment, were applied to the test points. Based on results from the EC data, the injected liquid, associated with the S-ISCO® chemicals were observed up to 30 feet (or more) away from injection points. Using the 30-foot radius, the injected liquid associated with the S-ISCO® chemicals contacted up to 35% of the full-scale treatment area. On average, the small dosage and volume injected, compared to the larger than expected zone of influence, resulted in a lower unit dosage of treatment chemicals in the treatment areas compared to that designed for Full Scale treatment. Given that depth specific COC soil reductions were observed in all Gridcells, it is likely that greater chemical loadings were experienced in certain strata than others, leading to the depth-specific treatment observed at some locations and not in others. Again, it should be stressed that the EC data reflects influence of the injected salts associated with the injected S-ISCO® chemicals, which may include breakdown products of sodium persulfate and not necessarily sodium persulfate itself. Therefore, the presence of elevated EC measurements in pore water does not necessarily imply that the S-ISCO® process was operative in these specific locations.

Injection Duration

Matrix 15 shows a comparison between the time during which S-ISCO® chemistry was injected during the Pilot Test and that planned for injections during Full Scale implementation.

Matrix 15 – Injection Duration Pilot Test vs. Anticipated Full Scale

Injection Point	Pilot Test Injection Duration (Hours)	Full Scale Injection Duration (Hours)	% of Full-Scale Injection Duration
IW-24S	13.2	245	5.4
IW-24D	7.3	245	3.0
IW-27S	11	245	4.5
IW-27D	7	245	2.9
IW-11	24	20	120.0
IW-19	12	245	4.9

This matrix illustrates another manner in which the Pilot Test was only a fraction of the Full Scale implementation with respect to scale-up. With the exception of IW-11, the time during which S-ISCO® chemicals was injected ranged from 3 to 5.4 percent of that for the Full Scale implementation. This is significant since oxidation reactions are time-sensitive. A longer injection period extends the time during which the chemicals can come into contact with and destroy contaminants. Based on this time comparison, Full Scale injections will take place between 18 and 36 times longer than the Pilot Test injections. In addition, the variability of the Pilot Test injection times at each point, ranging from 7 to 13.2 hours, compared to the generally consistent amount of time for each point during Full Scale (245 hours, except for IW-11), which suggests that treatment will likewise be less consistent from point to point in the Pilot Test than in Full Scale.

6.4 Groundwater Quality Monitoring Analysis

Matrix 16 summarizes the monitoring wells that were sampled during performance monitoring.

Matrix 16 – Summary of Wells Sampled

Well Location	Monitoring Well	Screened Interval (ft bgs)	Distance from Injection Point	Position Relative to Injection Point
Grid cell 11	MW-23S	9 to 19	Immediately next to IW-11	At
Grid cell 19	MW-12D	20 to 30	10 ft	Side-gradient
	MW-22D	20 to 30	10 ft	Down-gradient
	MW-14S	9 to 19	20 ft	Down-gradient
Grid cell 24	MW-9	20 to 30	25 ft	Down-gradient
	MW-16	9 to 19	25 ft	Down-gradient
Vicinity of	MW-6S	9 to 19	67 ft	Up-gradient
Grid cell 27	MW-6D	20 to 30	67 ft	Up-gradient

Groundwater parameter monitoring provided information about where the injected S-ISCO® chemicals were traveling and the nature of their reactions in the subsurface. Measured

parameters of pH, IFT and ORP indicate the nature of chemical reactions in the subsurface. Measured parameters of conductivity, IFT, pH, and persulfate concentration are good indicators of chemical transport and radius of influence.

Gridcell 11

Groundwater parameter data were collected from the two wells in the vicinity of IW-11, MW-23S, located immediately at IW-11, and MW-12D, located approximately 10 ft side-gradient. The injected S-ISCO® volume in Gridcell 11 reflects approximately 0.07 pore volumes liquid loading in a 15 ft radius of influence. Figure 6 shows a significant rise in conductivity (Cd) and persulfate concentration (SP) on 2/23/10 and 2/24/10, the days during which injections took place in IW-11. From the average pre-injection baseline level (1.5 ms/cm, std dev = 0.9 ms/cm) Cd rose by more than 89 ms/cm on the first day of injections and more than 83 ms/cm (over the baseline) on the second day. The maximum Cd measurement represented more than 5,683 percent increase over the baseline. Cd fell dramatically just one week later (on 3/2/10) by more than 70 ms/cm. A second week after injections, the Cd had risen slightly. SP followed a similar pattern, spiking by more than 71 g/L on the first day of injections and by more than 78 g/L on the second day. Again the concentration fell (by more than 71 g/L) just one week after injections, as the S-ISCO® treatment chemicals were consumed. This large and sustained increase aligns with the EC data taken in this test cell. In the region closest to the injection point (5 ft) the mean EC increased by more than 1,225 percent following injections.

The rapid increase in SP concentration over a two-day period, followed by a slower decrease of SP over a one week period is characteristic that the threshold demand for SP had not been met over this treatment zone (i.e., within a 10 ft side-gradient distance). Once SP threshold demand from the matrix has been met, the SP decay rate is typically slower, over a month or more timeframe. This is characteristic of the difference between a short-duration Pilot Test and a longer term Full Scale treatment using chemical oxidants.

Measurements of pH rose during injections, to a high of 12.68 that was 5.4 units over the baseline average (7.32, std dev = 0.3) in the presence of hydroxide. pH subsequently returned to near baseline levels in the two weeks following injections, indicating that the hydroxide was effectively consumed. Similar to the SP response in groundwater, this rapid increase in pH followed by the slower decrease also indicates that the pH buffering capacity of the soil was not achieved in this short duration Pilot Test. ORP also rose and fell in direct response to injections. The increase in IFT, an indicator of VeruSOL®, was less pronounced and lagged behind the other parameters.

In MW-12D (Figure 7 a more conservative and slightly delayed response was seen due to injections. From a baseline approximately equal to that in MW-23 (1.6 ms/cm), the maximum Cd measurement only reached 4.8 ms/cm, which was still a 287 percent increase. Due to the location of this well further from and side-gradient to the injection point, the response was delayed as the injected chemicals moved outward and down through the subsurface. A response was seen during the second day of injections (2/23/10) but did not peak until one week after (3/2/10). The SP response peaked sooner, on 2/24/10 (2.06 g/L), but fell more immediately in the weeks following injection. Less response was expected due to this well's distance from the point of injection as well as its greater depth bgs; more chemicals were consumed before reaching this depth.

The smaller and less sustained Cd response measured in this well aligns with the EC data from IW-11 at 10'. This data (Figure 4.3) shows that the greatest rise in conductivity was measured at shallower intervals, above where this well was screened.

Gridcell 19

Figures 8 and 9 show the parameter response in MW-22D and MW-14S to injections made in IW-19, on 2/18/10 and 2/19/10. The injected S-ISCO® volume in Gridcell 19 reflects approximately 0.09 pore volumes liquid loading in a 15 ft radius of influence MW-22D is located approximately 20 ft downgradient and MW-14S is located approximately 10 ft downgradient of IW-19. In MW-14S, the Cd and SP responses peaked approximately one week following injections (2/24/10). SP had appeared in samples on the first day of injections, likely a result of the conventional injection techniques used at this well, but nevertheless did not reach its maximum until 2/24/10 with the Cd. Even though increases were seen, for Cd, for example, this amounted to slightly more than doubling of the baseline average Cd (2.03, Std dev = 0.4). The ORP response appeared immediately after injections but peaked and remained elevated in the weeks following (2/24/10 3/11/10). The IFT response, though minimal, was not seen until two weeks after injections (3/2/10); no pH response was noted.

In MW-22D no clear response is seen in direct response to injections. The pre-injection baseline data for Cd, for example, shows greater variability (Std dev = 1.3, CV = 0.3) than the post-injection Cd (Std dev = 0.5, CV = 0.1). This suggests that no response more significant than natural variability was seen. This was true for SP; no significant concentration was measured. Only an ORP response was seen, on the first day of injection that endured through subsequent weeks of monitoring.

Gridcell 24

Figures 10 and 11 show the groundwater response to S-ISCO® injections in MW-9D and MW-16S, both located approximately 25 ft down-gradient of IW-24. In neither well did measured parameters indicate the presence of the treatment front. This data indicates that S-ISCO® chemicals remained close to the injection point (from 0 to 5 ft) and that the reagents were effectively consumed before they could migrate from the treatment area. This aligns with the conductivity response seen in the EC data for this well (specifically Figure 2.3). Overall the residual conductivity falls consistently with distance from the injection point (from a 253% increase at 5' to 10% at 30'). Given this, a strong response in groundwater 25 feet away is not expected.

These data indicate that the spread of the chemicals was restricted, likely due to the low dosing and the consumption of S-ISCO® chemicals nearer to the point of injection.

MW-6 (S/D), Along Preferential Pathway

Although located up-gradient of the nearest injection location (IW-27), an ORP and conductivity response were measured in MW-6S and MW-6D, located 67 feet from IW-27. Figures 12 and 13 show groundwater monitoring data for these wells. A Cd and ORP response were first noted on 2/18/10, three days following the end of injections in IW-27 (2/15/10 to 2/18/10).

Visual observations of orange-colored water were apparent in MW-6D within 22 days of injection. Observations of this type were observed to varying degrees in MW-33D, MW-11D, MW-22D, MW-14S, MW-12D, and MW-16S. These wells were at distances ranging from 9 feet to 75 feet from the nearest injection point. The average distance measured 52 feet. Because of the distance, there is overlap from different injection points, so it is not possible to assign a response to a particular injection point. Based on the measurements and evidence, it appears that observations at distances beyond 30 feet originate from the pressure pulse injection points.

Water Level Monitoring

The transducer placed in MW-16S yielded data about water level and temperature related to injections. The transducer showed simultaneous spikes in both water level and temperature coinciding with the injections in different test points. Both temperature and water level spikes were of similar shape and duration. The distances of the injection points to MW-16S ranged from 20 feet to over 130 feet as in IW-11.

Water level increases alone would not be surprising because wave energy from pulses travels far and momentarily increases the height of the water as it passes through—but the water does not move (exactly as in an ocean wave until it reaches shore). What is unique is that the temperature increased along with the water level. The temperature increase is due to the water from the hydrant that was mixed with oxidant for the injection. This is an indicator that water and oxidant from the injection point reached MW-16S from distances as far as 130 feet from the injection point, and this observation is consistent with observations of persulfate and other chemical changes in response to injection.

Another observation made between pressure pulse injection and conventional injection is that pressure pulse injection was much less influenced by the density of injection fluids. As a consequence, the oxidant was more evenly distributed and did not sink as with the conventional injection.

6.5 Contaminant Reduction Monitoring

This section presents the results of soil and groundwater sampling for contaminants of concern (VOCs, SVOCs and TPH) within the soil test cylinders at each test point. Soil and groundwater sampling was carried out in order to gauge treatment effectiveness and provide information for the Full Scale remedial design. The purpose of the Pilot Test was to obtain design information, not necessarily to achieve full remediation within the test points. Significant reductions were, however, achieved.

Tables 3 and 4 present pre-injection soils and groundwater results, respectively. Tables 5 and 6 present post-injection soils and groundwater results, respectively.

This analysis follows the experimental design in that the results are analyzed according to the injection strategy, test location, injection interval and azimuth (AZ) distance from the point of injection.

The Pilot Test design adopted a 15-foot test radius as a reasonable radius in which to assess treatment, Tier I analysis. In hindsight a 15-foot radius appears too conservative since the injections appeared to reach a significantly greater radial distance, as shown by the EC

results. However, it should be stressed that the percent of injected liquids at a specific monitoring location based on EC data, does not necessarily imply that active oxidants actually reached a location. Consequently, two levels of soil COC analyses were conducted. The first level analysis (Tier I) was conducted for the entire 15-ft test radius zone for the entire depth interval treated. The second level analysis, Tier II, was depth and distance specific to assess variable treatment inside the 15-ft radius treatment zone.

Overall Mass Comparison

Analysis of soil and groundwater samples collected before and after treatment included a comparison of the sum of the total of Target Compound List (TCL) semi-volatile organic compounds (SVOCs) and the sum of benzene, toluene, ethylbenzene, and total xylenes (BTEX) within the 15-foot test radius at each test point, Tier I analysis.

Within the test radius there was an estimated 4,517 kg of total contaminant mass in soil prior to the Pilot Test. Based on an averaging of all data for all depth intervals and for a radius of influence of 15 ft, 211 kg of contaminant mass was destroyed during the Pilot Test, yielding a net mass reduction of 4.7 percent. In terms of individual components, overall SVOC mass was reduced by 2.5 percent and BTEX mass decreased by 32.2 percent. Within the individual test locations total contaminant mass reductions ranged from zero (0) to 57 percent, with an average mass reduction of 10.8 percent over all six test strata for SVOCs and BTEX combined. Table 7 summarizes the Tier I mass estimates and reductions in contaminant mass.

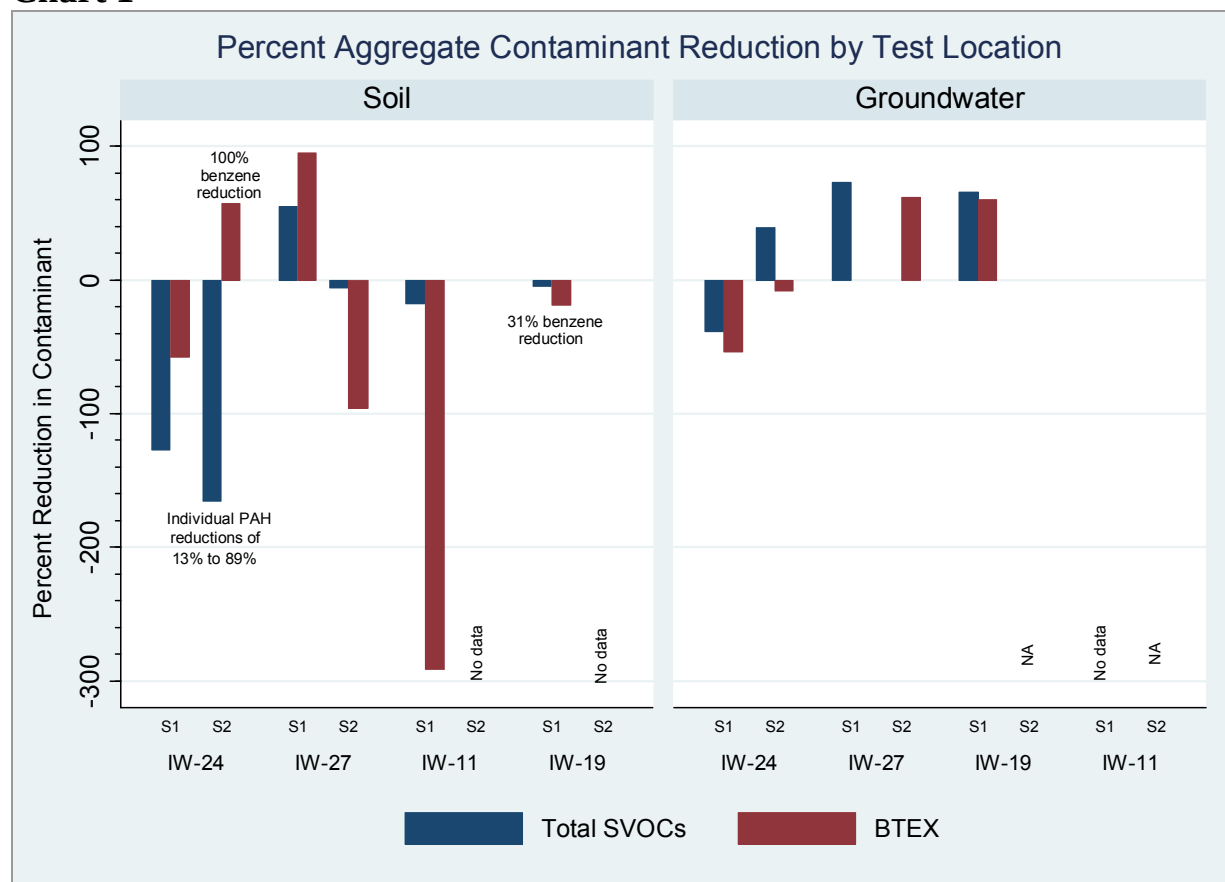
The analysis of pre- and post-treatment samples also included a comparison of the mean concentrations for the sum of SVOCs and BTEX in soil and groundwater. Since the levels of these compounds are highly variable, the CV was used as an additional parameter to assess treatment. Matrix 17 presents a summary of percent reductions in mean concentrations for SVOCs and BTEX. Chart 1 presents the Tier I results graphically.

Matrix 17 - Aggregate Percent Reductions in Contaminant, Tier I
Reduction of Sample Mean Concentrations after Injection in Percent

Parameter	Stratum	Pressure Pulse			Conventional Test Point 19
		Test Point 24	Test Point 27	Test Point 11	
Total SVOCs - Soil	1	-127 (n = 8/7)	54.6 (n = 8/7)	-17.6 (n = 16/16)	-5.1 (n = 16/15)
Total SVOCs - Soil	2	-165 (n = 8/8)	-6.3 (n = 8/9)		
BTEX - Soil	1	-57.9 (n = 8/7)	94.8 (n = 8/7)	-292 (n = 16/16)	-19 (n = 16/15)
BTEX - Soil	2	56.5 (n = 8/8)	-96.5 (n = 8/9)		
Total SVOCs - Groundwater	1	-36.4 (n = 4/3)	73.4 (n = 4/3)	No data	65.7 (n = 9/7)
Total SVOCs - Groundwater	2	38.5 (n = 4/4)	No data		
BTEX - Groundwater	1	-54.4 (n = 4/4)	61.6 (n = 4/3)	No data	59.8 (n = 9/7)
BTEX - Groundwater	2	-.08 (n = 4/4)	No data		

n = 8/7 = no. samples in pre-/post-injection sample means

Chart 1



The following presents the results for each of the test points.

IW-24- Tier I

Stratum 1

IW-24, the first location tested, is within an area of high contaminant mass and soils from this location were very heavily stained. The estimated amount of contaminant in the 15-foot radius by 6-foot long test cylinder, based on the pre-injection sampling, was estimated at 475 kg in Stratum 1. EC measurements indicated good coverage, but it was unclear if the Sidewinder was fully operational all the time. The injection lasted one to two days. In that time 3,000 gallons and 1,625 kg of treatment chemical were injected over the 6-foot injection zone (271 kg/ft).

The post-injection sampling showed no decrease in aggregate contaminant concentration of Total SVOCs or BTEX in this stratum, although a notable exception is in naphthalene in groundwater, where the mean naphthalene concentration dropped from approximately 5,342 ug/L to 4,243 ug/L (n = 3), a decrease of approximately 21 percent.

Even though oxidant distribution was very good, the low oxidant dosage was insufficient to show a measurable decrease in the aggregate contaminant levels. Another reason for no measurable decrease in the aggregate is that while the spread and contact were good, the

oxidant was likely consumed by the contaminant nearest the injection point. Evidence for this effect is in the good dispersion shown by the EC results and the absence of detectable persulfate in any of the monitoring wells closest to IW-24.

Nonetheless, the variability in the data reduced by 16 percent in soils and 28 percent in groundwater. This indicates that the oxidant was actively degrading contaminant because as the concentrations decrease the variability should also get smaller.

The combination of high level of contaminant, low dosage, and high EC indicates that the contact was high but that there was insufficient oxidant in this instance to observe a measurable concentration decrease in soil or groundwater. Summaries of the soil and groundwater pre-treatment and post-injection appear below.

Matrix 18.1 - IW-24 Stratum 1 Soils

Total SVOCs, mg/kg	n	min	max	mean	cv
Pre-treatment	8	27	9,034	2,951	1.12
Post-treatment	7	55	17,147	6,711	0.94
% Reduction	--	--	--	-127	16

BTEX, ug/kg	n	min	max	mean	cv
Pre-treatment	8	ND	731,000	97,188	2.64
Post-treatment	7	10	788,800	153,504	1.90
% Reduction	--	--	--	-58	28

Matrix 18.2 - IW-24 Stratum 1 Groundwater

SVOCs, mg/L	n	min	max	mean	cv
Pre-treatment	4	0.49	12.8	8.9	0.64
Post-treatment	3	3.3	22.4	12.1	0.79
% Reduction	--	--	--	-36	-23

BTEX, ug/L	n	min	max	mean	cv
Pre-treatment	4	57.1	5,650	1,793	1.47
Post-treatment	4	437	4,084	2,770	0.58
% Reduction	--	--	--	-54	61

Stratum 2

The estimated amount of contaminant in the 15-foot radius by 6-foot long test cylinder, based on the pre-injection sampling, was 857 kg. EC coverage was very good. The injection lasted one to two days. In that time 4,100 gallons and 1,688 kg of treatment chemical were injected into Stratum 2 (281 kg/ft).

Substantial reductions in soil occurred, the mean BTEX concentration decreased by approximately 57 percent (56.5%). Although not shown in the aggregate BTEX measurement, the mean benzene soil concentration decreased by 100 percent to ND in all 8 post-injection samples. BTEX also exhibited a 50 percent decrease in variation along with the concentration decrease.

SVOCs did not show a decrease, again most likely due to the higher contaminant loading that consumed oxidant before it could show a measurable decrease, as in Stratum 1. The table below summarizes the pre- and post-injection soil results.

Matrix 19.1 - IW-24 Stratum 2 Soils

Total SVOCs, mg/kg	n	min	max	mean	cv
Pre-treatment	8	2,600	9,177	4,966	0.42
Post-treatment	8	1,516	36,617	13,245	1.06
% Reduction	--	--	--	-136	-149

BTEX, ug/kg	n	min	max	mean	cv
Pre-treatment	8	54,695	2,366,000	527,774	1.48
Post-treatment	8	4,431	422,500	229,565	0.74
% Reduction	--	--	--	57	50

Total SVOCs in groundwater decreased by 39 percent and naphthalene alone decreased by approximately 31 percent. BTEX compounds did not show any measurable decrease in Stratum 2 groundwater. The table below summarizes the pre- and post-injection groundwater results.

Matrix 19.2 - IW-24 Stratum 2 Groundwater

SVOCs, mg/L	n	min	max	mean	cv
Pre-treatment	4	14.2	19.8	17.1	0.18
Post-treatment	4	9.0	12.4	10.5	0.14
% Reduction	--	--	--	39	23

BTEX, ug/L	n	min	max	mean	cv
Pre-treatment	4	6,056	21,230	14,848	0.45
Post-treatment	4	5,271	35,488	16,046	0.84
% Reduction	--	--	--	-8	-84

Gridcell 24 – Tier II

Injections at IW-24 took place at two depth intervals using a conventional fixed injection wells. These were pulsed without optimal pressure pulse effects as a result of the start-up phase for the pressure pulse. The injected S-ISCO® volume in Gridcell 24 reflects approximately 0.46 and 0.34 pore volumes liquid loading in a 15 ft radius of influence for the shallow and deep injection intervals, respectively. In the shallow injection well the Pilot Scale injection duration was 5.4%, 10% of the injected volume, and 33% of injected S-ISCO® chemical mass, in comparison to that projected at Full Scale. Figure 14 (plots 24.1 (10) through 24.6) show pre- and post-injection concentrations for SVOCs, BTEX and total COCs, as a function of AZ distance from the injection point and depth interval. The figures show greater variability in SVOC concentrations post-injection than pre-injection samples, particularly in the deep region. Matrix 20 quantifies the trends shown in the figures.

Matrix 20 - Percent Reductions in Concentrations

Shallow (10.5 to 15 ft bgs)	AZ Distance (ft)	SVOCs (%)	BTEX (%)	Total (%)
	0 to 5*	82.3	84.3	82.5
	6 to 10	-143.6	-5901.6	-319.2
	11 to 15	-438.6	-241.6	-438.9
Deep (15 to 21 ft bgs)	AZ Distance (ft)	SVOCs (%)	BTEX (%)	Total (%)
	0 to 5	-0.3	75.5	10.9
	6 to 10	-186.6	68.2	-179.9
	11 to 15	-438.2	-0.6	-389.5

** Only 1 pre-injection sample from the 0 to 5 ft, shallow interval was used in this calculation.*

In this gridcell, SVOC and BTEX reductions in the shallow region were only observed closest to the point of injection, in the 0 to 5 ft AZ distance interval. In this zone SVOC and BTEX reductions were more than 82 percent and 84 percent, respectively. Although these reductions are based on limited pre-injection data, in general the pre-injection data was fairly consistent, thereby increasing the likelihood that this sample is representative. Reductions in BTEX were also calculated in the 0 to 5 and 6 to 10 ft deep region (75.5 percent and 68.2 percent respectively). It is evident from examination of plot 24.4 in Figure 14 that significant SVOC reductions were observed in the 0 to 4 ft AZ distance in the deep soil interval.

Reductions in the 0 to 5 ft interval are well supported by the strong EC response measured there. In this gridcell a significant EC response was noted at 5 ft; the mean EC increased by 253 percent, accounting for 79 percent of the total increase in EC seen from 5 to 30 ft. The EC response fell dramatically at 10 ft (only a 33 percent increase in mean EC response was measured, accounting for only 10 percent of the total EC response), and again at 15 and 30 ft. Beyond 5 ft, high variability dominated the post-injection SVOC concentrations, preventing the realization of significant reductions. This data suggests a restricted radius of influence, as small as 5 feet, beyond which treatment and contact were highly inconsistent and incomplete, particularly for SVOCs. The relatively short, 5 ft, radius of influence can be attributed to the increased pore space created by the pressure pulses used during injection. The injected fluid filled the area closest to the well and adequately contacted and destroyed contaminants there, at the expense of adequately treating areas further away. This can also explain the better contaminant reductions achieved in the shallow rather than deep region.

IW-27 – Tier I

Stratum 1

Test point IW-27 is within a very heavily contaminated area and soils from this location were also heavily stained. The estimated amount of contaminant in the 15-foot radius by 6-foot long test cylinder, based on the pre-injection sampling, was 204 kg Stratum 1. EC coverage was excellent in IW-27, with very high EC increases extending to 30 feet or more from the injection point. The injection lasted one day. In that time 3,600 gallons and 1,500 kg of

treatment chemical were injected into Stratum 1 (250 kg/ft). The amount of contaminant at this location was somewhat less than at other test points so there was a higher proportion of oxidant to contaminant.

The reductions in BTEX and SVOCs in Stratum 1 were very pronounced, and in this case the decreases in SVOCs and BTEX were the largest in the Pilot Test. Total SVOCs in soil decreased by 55 percent and BTEX in soil decreased by 95 percent. Variation decreased in BTEX but increased with the total SVOCs. Both oxidant distribution and EC distribution were very good and detectable persulfate appeared in monitoring wells as far as 67 feet from IW-27, indicating that sufficient oxidant was available to extend throughout the test cylinder.

On an individual basis, in soils, benzene decreased approximately 88 percent; toluene decreased 96 percent, ethylbenzene by 96 percent, and total xylenes by approximately 93 percent. This is very significant because these results coincide with where the EC dispersion was greatest along with very good oxidant placement. The results strongly support the thesis that much greater contaminant reduction is possible where good distribution and good contact between oxidant and contaminant take place. In this instance it appears that the oxidant was very well distributed at the pore-scale level in order to reach such a high level of reduction, and that a gradient was set up allowing the oxidant to “seek out” the residual contamination at the pore-scale level. The lesson is that with sufficient oxidant, good distribution and good oxidant-contaminant contact at the pore-scale level dramatic reduction in contaminant is possible. Charts 2 and 3 show this graphically.

Chart 2

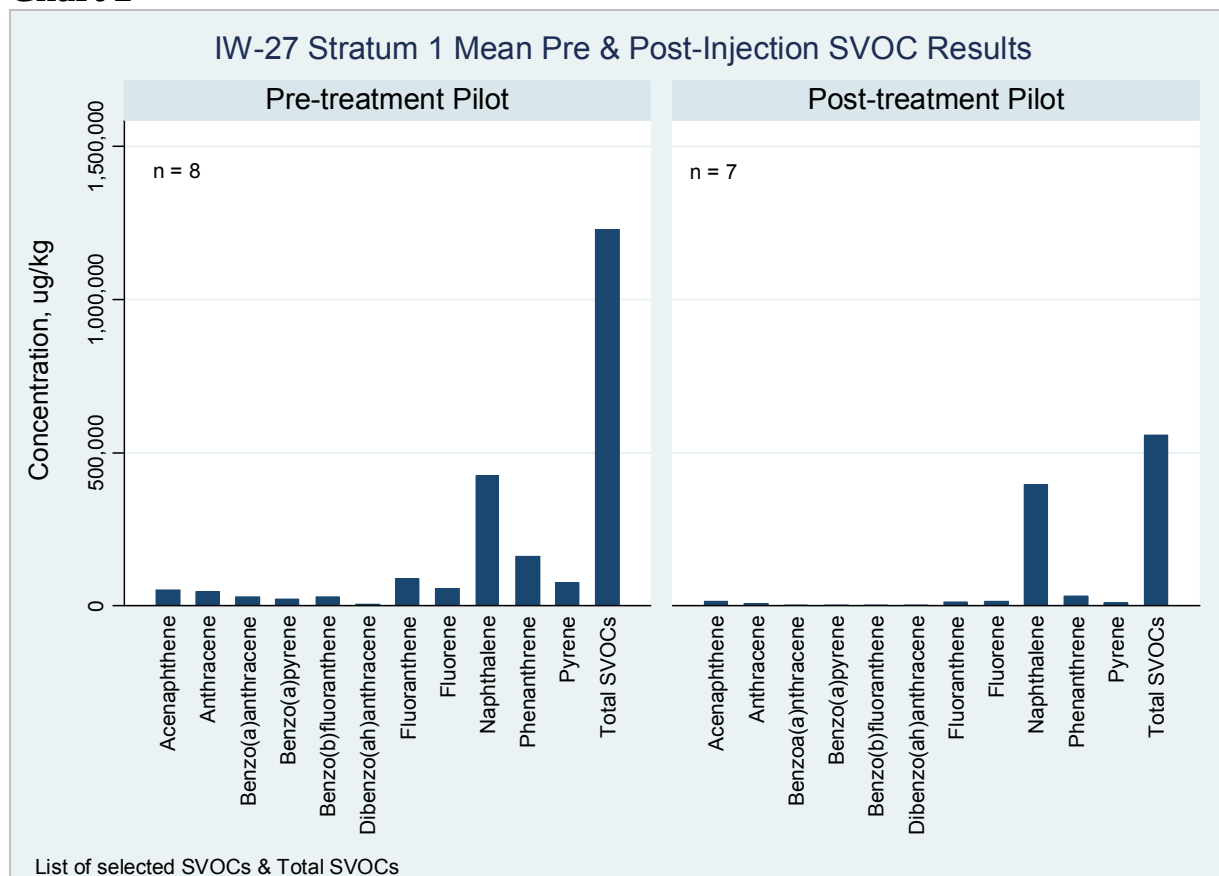
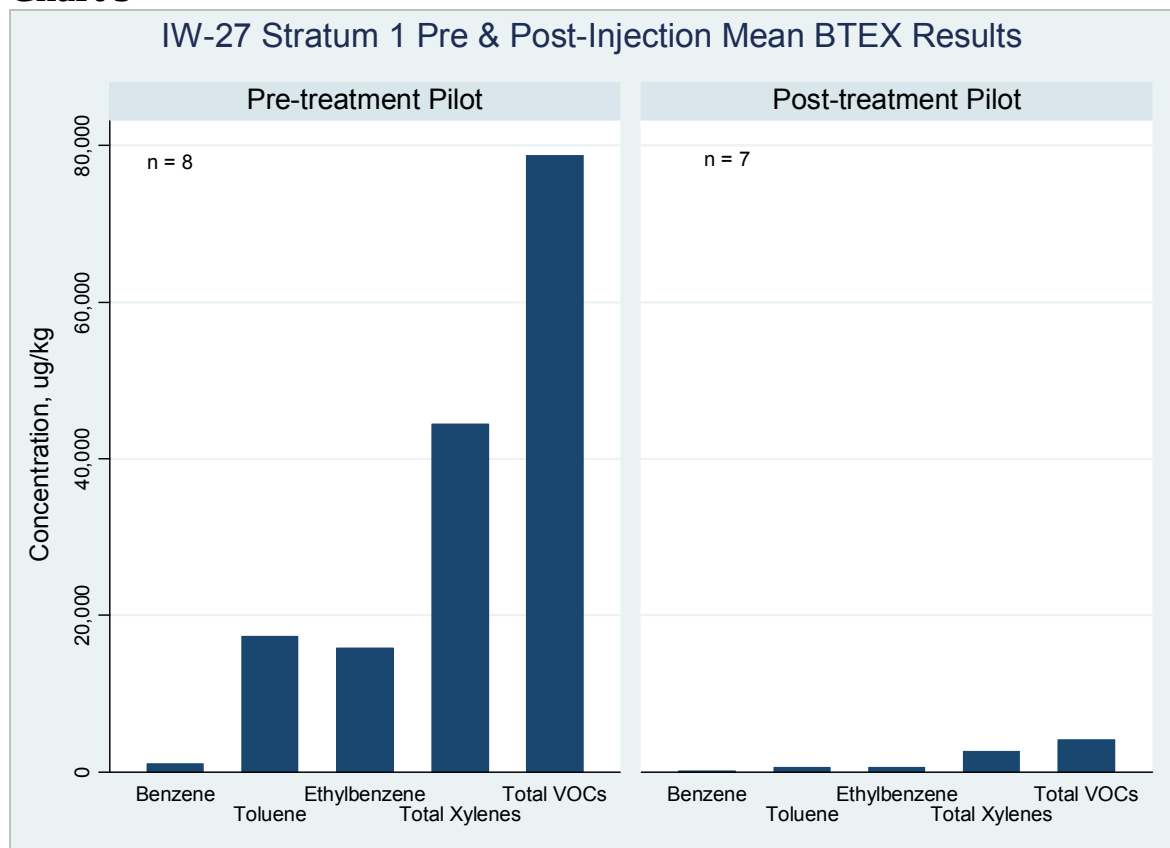


Chart 3

The table below summarizes the pre- and post-injection soil results.

Matrix 21.1 - IW-27 Stratum 1 Soils

Total SVOCs, mg/kg	n	min	max	mean	cv
Pre-treatment	8	65	4,405	1,230	1.19
Post-treatment	7	2	3,168	558	2.08
% Reduction	--	--	--	55	-75

BTEX, ug/kg	n	min	max	mean	cv
Pre-treatment	8	ND	386,510	78,723	1.68
Post-treatment	7	3.5	12,020	4,089	1.11
% Reduction	--	--	--	95	34

Groundwater reductions of SVOCs and BTEX were also pronounced. Total SVOC concentrations decreased by 73 percent and the mean BTEX concentration decreased by 62 percent. As in most cases with concentration reductions, the variation also decreased appreciably, by 82 percent and 57 percent respectively. The table below summarizes the pre- and post-injection groundwater results.

Matrix 21.2 - IW-27 Stratum 1 Groundwater

SVOCs, mg/L	n	min	max	mean	cv
Pre-treatment	4	2.3	45.2	19.1	0.96
Post-treatment	3	4.2	5.9	5.1	0.17
% Reduction	--	--	--	73	82

BTEX, ug/L	n	min	max	mean	cv
Pre-treatment	4	1,515	30,150	13,608	0.95
Post-treatment	3	2,867	7,028	5,225	0.41
% Reduction	--	--	--	62	57

Stratum 2

The estimated amount of contaminant in the 15-foot radius by 6-foot long test cylinder, based on the pre-injection sampling, was estimated at 1,136 kg in Stratum 2, which is also a silty clay unit. EC coverage was excellent in IW-27, with very high EC increases extending to 30 feet or more from the injection point. The injection lasted one day. In that time 4,500 gallons and 1,875 kg of treatment chemical were injected into Stratum 2 (313 kg/ft).

There was no measurable reduction in Total SVOCs or BTEX, and individual BTEX compounds also did not show a reduction in concentration. In stark contrast, many individual SVOCs showed pronounced decreases, many of them among the most carcinogenic PAHs. Reductions ranged from 13 percent to 89 percent as shown.

Matrix 22

Compound	% Reduction
Anthracene	13
Benzo(a)anthracene	62
Benzo(a)pyrene	72
Benzo(k)fluoranthene	54
Chrysene	63
Dibenzo(a,h)anthracene	89
Fluoranthene	29
Indeno (cd-1, 2, 3)pyrene	74
Pyrene	42

n = 8 pre; n = 9 post-injection

One reason for reductions in many compounds but not measurable in the aggregate is the large concentration of naphthalene. The large amount of naphthalene masks the individual reductions in the aggregate measure. This is because naphthalene is the least hydrophobic compound and thus takes the longest to solubilize, so it is the least degraded during a short duration test. Naphthalene is easily degraded once in the aqueous phase and this would not be a limitation in a full scale remedy. The table below summarizes the pre- and post-injection soil results.

Matrix 23 - IW-27 Stratum 2 Soils

Total SVOCs, mg/kg	n	min	max	mean	cv
Pre-treatment	8	6.4	2,632	1,012	1.03
Post-treatment	9	7.9	4,843	1,076	1.49
% Reduction	--	--	--	-6.3	-44

BTEX, ug/kg	n	min	max	mean	cv
Pre-treatment	8	52.8	605,460	123,572	1.68
Post-treatment	9	ND	762,270	242,760	1.16
% Reduction	--	--	--	-96	31

There were insufficient samples for groundwater comparisons at IW-27, Stratum 2 due to difficulty in collecting samples.

Gridcell 27 – Tier II

Injections at IW-27 took place at two depth intervals using conventional fixed injection wells with effective pressure pulse excitation effects. The injected S-ISCO® volume in Gridcell 27 reflects approximately 0.40 pore volumes liquid loading in a 15 ft radius of influence for both shallow and deep injections. In the shallow injection well the Pilot Scale injection duration was 4.5%, 12% of the injected volume, and 30% of injected S-ISCO® chemical mass, in comparison to that projected at Full Scale. For the deep injection well, the Pilot Scale injection duration was 2.9%, 15% of the injected volume, and 38% of injected S-ISCO® chemical mass, in comparison to that projected at Full Scale. Figure 15 (plots 27.1 through 27.6) shows pre- and post-injection concentrations for SVOCs, BTEX and total COCs, as a function of AZ distance from the injection point and depth interval. These figures show SVOC reductions in the shallow depth region, and to a lesser extent, the deep region. SVOC samples also had less variability in the shallow region. In terms of BTEX, a strong trend of reduction was seen in the shallow region, but not in the deep. Matrix 24 quantifies the trends seen in these figures.

Matrix 24 – IW-27 Percent Reductions in Concentrations

Shallow (11 to 16 ft bgs)	AZ Distance (ft)	SVOCs (%)	BTEX (%)	Total (%)
	0 to 5*	86.6	100.0	85.1
	6 to 10	82.6	98.4	85.8
	11 to 15	26.8	91.3	27.9
Deep (16 to 21 ft bgs)	AZ Distance (ft)	SVOCs (%)	BTEX (%)	Total (%)
	0 to 5	-150.5	-82.2	-139.4
	6 to 10	62.4	-292.1	40.6
	11 to 15	-9.0	-15409.4	-31.7

** Only 1 post-injection sample from the 0 to 5 ft, shallow interval was used in these calculations.*

Matrix 24 shows that significant reductions in SVOCs and BTEX were achieved from 0 to 15 ft in the shallow depth region. Reductions were strongest closer than 10 ft, but still measureable up to 15 ft. Specifically, SVOCs reductions in soil were calculated as 86.6%, 82.6% and 26.8% in the AZ distance intervals of 0 to 5 ft, 6 to 10 ft and 11 to 15 ft, respectively. BTEX reductions in soil were calculated as 100%, 98.4% and 91.3% in the AZ distance intervals of 0 to 5 ft, 6 to 10 ft and 11 to 15 ft, respectively.

The stronger reduction in the shallow region can be linked to the use of pressure-pulse injections that created more pore space for the injected chemicals to occupy where it was injected, rather than being density-driven downward. Injections at IW-27 consisted of the largest volume of S-ISCO® chemicals injected into any of the points (8,100 gals). This dose explains the significant radius of influence seen and the clear pattern of COC destruction.

The consistency of reductions in the shallow depth interval can be seen as far as 15 ft from the point of injection which aligns with the EC data for this cell. Here the mean EC increased by a similar percentage in the 5, 10 and 15 ft distances (83, 74 and 84 percent, respectively), accounting for approximately the same fraction of the total EC response in each (0.04). This indicates a fairly even chemical dosing and dispersion. The extremely high change in mean EC measured at 30 ft, as mentioned previously, is not explainable by known pathways, but nevertheless is suggestive of the fact that injection treatment chemicals attained a significant radius of influence in this cell.

IW-11 – Tier I

Test point IW-11 was a Primawave™ Geoprobe injection located in an area with creosote staining but in a relatively less contaminated area of the Site. Nonetheless, the estimated amount of contaminant in the 15-foot radius by 17-foot long test cylinder, based on the pre-injection sampling, was 675 kg. EC coverage was very good in IW-11 and dispersion of persulfate appeared effective as persulfate was observed in monitoring wells close to IW-11. The injection lasted less than two full days. In that time 3,600 gallons and 1,500 kg of treatment chemical were injected (88 kg/ft).

There was no measurable reduction in SVOCs or BTEX in soil in IW-11. The most likely reason is that there was insufficient persulfate for the available contaminant and, unlike the injection wells, where distribution was over a 6-foot screened interval, the injection interval in IW-11 measured 17 feet. This means that the dosage per foot was much reduced, approximately two-thirds less, compared to the injection wells, (e.g. 88 kg/foot compared to 250 to 313 kg/foot). The implication is that injection wells are a more effective means of injection because more oxidant can be placed within a contaminated interval and that location can be repeated if necessary. Another reason for no measurable reduction is that the pH decreased too rapidly and there was insufficient alkaline pH to activate the oxidant completely. A third reason is that the test duration of approximately one to two days of injection was too short.

Despite the lack of measurable reduction, the CV in BTEX in soils decreased, which implies reduction at some level did occur. Matrix 25 summarizes the results for SVOCs and BTEX in soils.

Matrix 25 - IW-11 Soils

Total SVOCs, mg/kg	n	min	max	mean	cv
Pre-treatment	16	10.3	4,919	965	1.24
Post-treatment	16	0.2	7,958	1,135	2.04
% Reduction	--	--	--	-18	-64

BTEX, ug/kg	n	min	max	mean	cv
Pre-treatment	16	1.2	65,403	16,763	1.31
Post-treatment	16	32.1	235,460	65,722	1.20
% Reduction	--	--	--	-292	7.9

There were insufficient samples for groundwater comparisons at IW-11 due to difficulty in collecting samples.

Gridcell 11 – Tier II

Injectations at IW-11 took place at only one depth interval (11 to 27 ft bgs) using a Geoprobe® injection method and totaled less than half the volume injected into more completely dosed points (IW-24 and IW-27). This resulted in a dose of approximately 375 gal per foot of injected depth, a limited treatment. The injected S-ISCO® volume in Gridcell 11 reflects approximately 0.07 pore volumes liquid loading in a 15 ft radius of influence.

Figure 16 (plots 11.1 through 11.6) shows pre- and post-injection concentrations for SVOCs, BTEX and total contaminants of concern (COCs) as a function of AZ distance from the injection point and depth interval. From Figure 16 it can be seen that SVOCs comprised the majority of the total COCs present and that greater SVOC reductions were achieved than BTEX. SVOC reductions are evident from about 0 to 9 ft in the shallow depth interval, and after 11 ft in the deep interval. Matrix 26 quantifies the trends seen on the figure.

In the 0 to 5 ft and 5 to 9 ft AZ distance intervals for the shallow depth soil samples there were SVOC reductions of 72.7% and 85.8%, respectively. These reductions within 10 ft from the injection point are strongly supported by the dramatic EC response measured at 5 ft in this injection area (the mean EC increased by 1,225 %, amounting to 82 percent of the total EC response measured). Of note there was also a 97.4% reduction of SVOCs in the 11 to 15 ft AZ distance interval for the shallow depth soil samples. However, there was a spike in the 10 ft AZ distance sample for both shallow and deep soil sampling intervals. Given that the soil sampling was conducted on a random basis, this type of concentration variability is not unexpected. Significant and consistent increases in mean EC response were noted beyond this distance, at 10, 15 and 30 ft. This is consistent with the substantial reductions in SVOCs, and BTEX, to a lesser extent, achieved in the 11 to 15 ft region, in the shallow and deep regions. These data support that the treatment chemicals reached these distances. It is evident that BTEX reductions were not observed in the shallow soil sampling depth intervals.

Limited treatment was observed in the deeper depth intervals in Gridcell 11, with the exception of the 11 to 15 ft AZ distance interval (98.5% SVOC reduction). Greater reductions at shallower depths can be attributed to the injected chemicals filling in the pore spaces opened by the injection pulses in the upper region of injection before they were able to migrate significantly downward. The activity of the pressure pulse injection clearly prevented density-driven transport in Gridcell 11.

Matrix 26 - IW-11 Percent Reductions in Concentrations

Shallow (10 to 16 ft bgs)	AZ Distance (ft)	SVOCs (%)	BTEX (%)	Total (%)
	0 to 5*	72.7	-316.9	68.5
	6 to 10	-13.3	-51932.4	-15.4
	11 to 15	97.4	16.8	93.6
	5 to 9	85.8	-137.8	84.2
Deep (16 to 27 ft bgs)	AZ Distance (ft)	SVOCs (%)	BTEX (%)	Total (%)
	0 to 5	n/a	n/a	n/a
	6 to 10	-235.1	-1554.6	-251.9
	11 to 15	98.5	72.5	97.6

** This calculation is based on only 1 post-injection sample from the 0 to 5 ft, shallow interval.*

IW-19 – Tier I

Test point IW-19 was a conventional Geoprobe injection located in an area with creosote staining but again in one of the relatively less contaminated part of the Site. Nonetheless, the estimated amount of contaminant in the 15-foot radius by 12-foot long test cylinder, based on the pre-injection sampling, was 1,081 kg. EC coverage was good in IW-19 to approximately 15 feet, although dispersion was less than in pressure-pulsed locations. Dispersion of persulfate appeared effective as persulfate was observed in monitoring wells close to IW-19, although it is difficult to separate from persulfate arising from injection by the pressure pulse wells. The injection lasted less than two days. In that time 3,300 gallons and 1,250 kg of treatment chemical were injected (104 kg/ft).

There were no measurable reductions in Total SVOCs and BTEX in soils. The most likely reason being, as before, insufficient pH increase and insufficient oxidant for the contaminant. As in IW-11, where distribution was over a longer injection interval, the injection interval in IW-19 measured 12 feet. This means that the dosage per foot was much reduced, approximately 60 percent less, compared to the injection wells, (e.g. 104 kg/foot compared to 250 to 313 kg/foot). Nonetheless, the soil benzene concentration decreased by approximately 31 percent and toluene decreased by 64 percent, and as before, the variation in BTEX decreased, another indication that oxidation and contaminant reduction were on going. Matrix 27.1 summarizes the results for SVOCs and BTEX in soils.

Matrix 27.1 - IW-19 Soils

Total SVOCs, mg/kg	n	min	max	mean	cv
Pre-treatment	16	11	12,500	3,251	1.16
Post-treatment	15	1.1	20,500	3,417	1.52
% Reduction	--	--	--	-5.1	-31

BTEX, ug/kg	n	min	max	mean	cv
Pre-treatment	16	20	1,677,460	317,034	1.65
Post-treatment	15	ND	963,750	377,163	0.92
% Reduction	--	--	--	-19	45

Total SVOCs and BTEX in groundwater exhibited a pronounced decrease. Total SVOCs decreased by approximately 66 percent and BTEX decreased by approximately 60 percent. Variation decreased by 69 percent in total SVOCs and by 16 percent in BTEX. Matrix 27.2 summarizes the results for SVOCs and BTEX in groundwater.

Matrix 27.2 - IW-19 Groundwater

SVOCs, mg/L	n	min	max	mean	cv
Pre-treatment	9	2.0	148.6	24	1.96
Post-treatment	7	3.7	19.1	8.2	0.65
% Reduction	--	--	--	66	69

BTEX, ug/L	n	min	max	mean	cv
Pre-treatment	9	1,691	88,752	26,293	0.96
Post-treatment	7	3,576	27,640	10,569	0.80
% Reduction	--	--	--	60	16

Gridcell 19 – Tier II

Injections at IW-19 took place at only one depth interval (11 to 23 ft bgs) using a Geoprobe® injection method without any pressure pulse excitation and totaled less than half the volume injected into more completely dosed points (IW-24 and IW-27). This resulted in a dose of approximately 375 gal per foot of injected depth, a limited treatment. The injected S-ISCO® volume during the Pilot Scale tests in Gridcell 19 reflects approximately 0.09 pore volumes liquid loading in a 15 ft radius of influence, 13% of the injected S-ISCO chemicals and 6% of the injected liquid, compared to that projected for Full Scale treatment.

Figure 17 (plots 19.1 through 19.6) shows pre- and post-injection concentrations for SVOCs, BTEX and total COCs, as a function of AZ distance from the injection point and depth interval. This figure clearly shows that reductions in both SVOCs and BTEX were only seen in the deep region. Matrix 28 quantifies the reductions, by evenly dispersed AZ distance intervals, as well as the intervals of reduction identified from the figures.

It is evident from examination of Figure 17 (plots 19.1, 19.3 and 19.5), for Total COCs, SVOCs and BTEX in the shallow depth zones that there were no substantial reductions of soil concentrations with the exception of the 11 to 15 ft depth interval (which is only based on one data point). The variability of the pre- and post-treatment soil COC concentrations in the shallow zone is likely a reflection of the inherent variability in the random soil contaminant heterogeneity. However the data trends in the soil SVOC concentrations follow a similar trend of increasing concentration with respect to AZ distance.

Matrix 28 – IW-19 Percent Reductions in Concentrations

Shallow (10.5 to 16.5 ft bgs)	AZ Distance (ft)	SVOCs (%)	BTEX (%)	Total (%)
	0 to 5	-47.3	-239.3	-65.9
	6 to 10	-33.4	-3.6	-27.0
	11 to 15*	-64.0	100.0	-61.7
Deep (16.5 to 23 ft bgs)	AZ Distance(ft)	SVOCs (%)	BTEX (%)	Total (%)
	0 to 5	77.4	-0.9	73.9
	6 to 10**	99.6	80	99.3
	11 to 15	-0.2	32.5	3.9
	4 to 12	99.7	86.5	99.2

** Only 1 pre and 1 post-injection sample from the shallow, 11 to 15 ft AZ distance interval were used for this calculation.*

***Only 1 post injection sample from the deep, 6 to 10 ft AZ distance interval was used for this calculation.*

In the deep soil interval, reductions in both SVOCs and BTEX were significant (as much as 99 percent for SVOCs and 86 percent for BTEX). This is in significant contrast to observations in the shallow depth interval. Greater reductions closer to the point of injections, up to approximately 12 ft, align with EC data. In this injection area, the greatest change in mean EC was measured at 5 ft (207 percent), accounting for 43 percent of the total EC response measured in this cell, but, the change noted at 10 ft (178 percent increase in mean EC) was similarly strong, accounting for 37 percent of the total EC change in the cell. The EC response then tapered off consistently toward 30 ft. This is consistent with the reductions seen in the interval closer than 10 to 12 ft.

Greater contaminant destruction at deeper intervals can be attributed in part to the use of conventional injections at IW-19. In the absence of pressure pulsing to enhance pore spaces, density-driven, downward movement of the S-ISCO® chemicals prevailed, at the expense of more even dispersion. The downward movement of the chemicals as well as the limited volume of injections (only 3,300 gal of chemicals were injected) also explains the fairly limited degree of reduction and radius of influence.

Mass Reduction Comparison by location, AZ Distance, and Depth Interval – Tier II

Depth and distance specific analysis of pre- and post-soil data were analyzed, based on soil zones that were actually treated (Tier II analysis). From these depth and radial distance data, a mass balance on COCs, defined as Total VOCs plus Total SVOCs was developed and is presented in Matrix 29.

**Matrix 29 – Pilot Test Mass Balance of Soil Contaminants of Concern
in Areas Treated – Tier II**

Zone Description	Radial Distance of Affective Treatment (ft)	Depth Interval of Treatment (ft)	Mass of Soil (kg) ¹	Average Pre-Injection Concentration (mg/kg) ²	Average Post-Injection Concentration (mg/kg) ³	Initial Mass (kg) ⁴	Final Mass (kg) ⁵	Change in Mass (kg) ⁶	Percent Reduction (%) ⁷
Grid Cell 11 Shallow (10 - 16 ft bgs)	9	6	55,773	2090.7	329.9	116.6	18.4	98.2	84.2%
Grid Cell 19 Deep (16.5 - 23 ft bgs)	13	6.5	126,062	3668.7	835.6	462.5	105.3	357.1	77.2%
Grid Cell 24 Deep (15 - 21 ft bgs)	5	6	17,214	5451.8	4858.6	93.8	83.6	10.2	10.9%
Grid Cell 27 Shallow (11 - 16 ft bgs)	11	5	69,429	1819.4	110.1	126.3	7.6	118.7	93.9%
Notes:					Totals	799.2	215.0	584.2	73.1%
1) Mass of Soil was calculated by $(\text{Radius})^2 \times \pi \times \text{Depth} \times (\text{m}^3/35.3147 \text{ ft}^3) \times \text{Density of Soil } (1290 \text{ kg/m}^3)$									
2) Average pre-injection concentration was calculated by averaging the pre-injection soil concentrations data from locations within the radial distance of affective treatment and depth interval of affective treatment									
3) Average post-injection concentration was calculated by averaging the post-injection soil concentrations data from locations within the radial distance of affective treatment and depth interval of affective treatment									
4) Initial Mass calculated by multiplying Average Pre-Injection Concentration (mg/kg) x Initial Mass (kg) x (1 kg/ 1,000,000 mg)									
5) Final Mass calculated by multiplying Average Post-Injection Concentration (mg/kg) x Initial Mass (kg) x (1 kg/ 1,000,000 mg)									
6) Change In Mass calculated by subtracting Final Mass (kg) from Initial Mass (kg)									
7) Percent Reduction calculated by dividing Change in Mass (kg) / Initial Mass (kg)									

Review of depth and distance discrete data presented in Figures 14, 15, 16, and 17, enabled an analysis of zones within 15 ft of each Grid cell center where reductions in COC concentrations were observed. COC concentration reductions were noted, pre- and post-treatment COC masses and mass reductions were calculated, as shown below:

- Gridcell 27, in the shallow (11 to 16 ft bgs) depth interval and AZ distance 0 to 11 ft. The initial mass of COCs (SVOCs and BTEX) was calculated to be 126.3 kg. Based on the average of the post-injection concentrations from the same zone as calculated for the pre-injection mass, the total mass post-treatment was 7.6 kg. Therefore a reduction of 118.7 kg COCs was removed in this zone in Gridcell 27.
- Gridcell 11 in the shallow (10 to 16 ft bgs) depth interval and AZ distance 0 to 9 ft. The initial mass of COCs was calculated to be 116.6 kg. Based on the average of the post-injection concentrations from the same zone as calculated for the pre-injection mass, the total mass was 18.4 kg. Therefore a reduction of 98.2 kg COCs was achieved in Gridcell 11.
- Gridcell 19, in the deep (16 to 23 ft bgs) depth interval and AZ distance 0 to 13 ft. The initial mass of COCs was calculated as 462.5 kg. Based on the average of the post-injection concentrations, from the same zone as calculated for the pre-injection mass the total mass was 105.3 kg. Therefore a reduction of 357.1 kg COCs was achieved in Gridcell 19.
- Gridcell 24, in the deep (15 to 21 ft bgs) depth interval and AZ distance 0 to 5 ft. The initial mass of COCs was calculated as 93.8 kg. Based on the average of the post-injection concentrations, from the same zone as calculated for the pre-injection mass

the total mass was 83.6 kg. Therefore a reduction of 10.2 kg COCs was achieved in Gridcell 24.

Based on the zones that were effectively treated in Gridcell 27, 11, 19 and 24, COC mass reductions were calculated to be 93.9%, 84.2%, 77.2% and 10.9%, respectively. Overall, there was a 73.1% reduction in COC mass when comparing the initial COC mass present in the effectively treated zones to that present post-Pilot Test. It is evident that the type of injection method (i.e., pressure pulse or fixed well vs. Geoprobe®) had an effect of treatment effectiveness. The total mass of COCs in an entire 15 ft ROI (i.e., initially assumed value) for all four Pilot Test Grid cells was calculated to be 3,240 kg prior to conducting the Pilot Test. Given the calculated change in COC mass of 584.2 kg (see Table E1) an overall COC mass reduction in an assumed 15 ft ROI is 18.0 percent. Considering the estimated total COC mass present in the saturated zone identified for Full Scale treatment at Parcel 8 of 64,000 kg, a COC mass removal during the Pilot Test of 584.2 kg, results in a removal of 2.4% of total COC mass present in the saturated zone using the revised estimate of 53,600 lbs. Given that only 7% to 8% of the S-ISCO® chemicals designed for Full Scale application at this Site were injected during the short duration Pilot Test and 2.4% of total COCs were treated is encouraging.

For the areas where treatment effectiveness was observed during the Pilot Test and initial mass of COCs present was calculated to be 799.2 kg. Following Pilot Scale treatment the final COC mass present was calculated to be 215.0 kg, for a total COC mass removal of 584.2 kg were calculated to be 93.9%, 84.2%, 77.2% and 10.9% respectively. Overall, there was a 73.1% reduction in COC mass when comparing the initial COC mass present in the effectively treated zones to that present post-Pilot Test. The total mass of COCs in an entire 15 ft ROI (i.e., initially assumed value) for all four Pilot Test Grid cells was calculated to be 3,240 kg prior to conducting the Pilot Test. Given the calculated change in COC mass of 584.2 kg (see Table E1) an overall COC mass reduction in an assumed 15 ft ROI is 18.0 percent.

6.6 Implications of Variability

The Tier I percent change in contaminant levels ranges from -292 percent (an increase in the concentration) to a 94.8 percent reduction in soils and ranges from -54.4 percent to 73.4 percent in groundwater (Matrix 17 and Chart 1). The increases in concentration (negative percentages) following injection are the result of high variability in the concentrations.

The percent reduction was pronounced at some locations and, as noted, the variability in SVOC and BTEX concentrations varies widely as well. While the percent reduction is direct, measurable evidence of a decrease due to treatment, the variability between the before and after results provides additional insight into the effectiveness of treatment.

Contaminant concentrations in soils and groundwater typically vary widely, and this is especially pronounced when there is a spatial (or temporal) component to the data. This is because some areas contain high levels of contamination while other locations contain much less or none. This gives rise to the high degree of variability observed. In contrast, the variability should decrease as the concentrations of contaminants decrease because the range of concentrations between high and low levels narrows as the degree of treatment increases. Using this as a model of contaminant behavior, it is possible to infer additional information

about the Pilot Test results by examining the variability, when a direct measure shows no measurable result. Charts 4 and 5 illustrate this point.

Chart 4

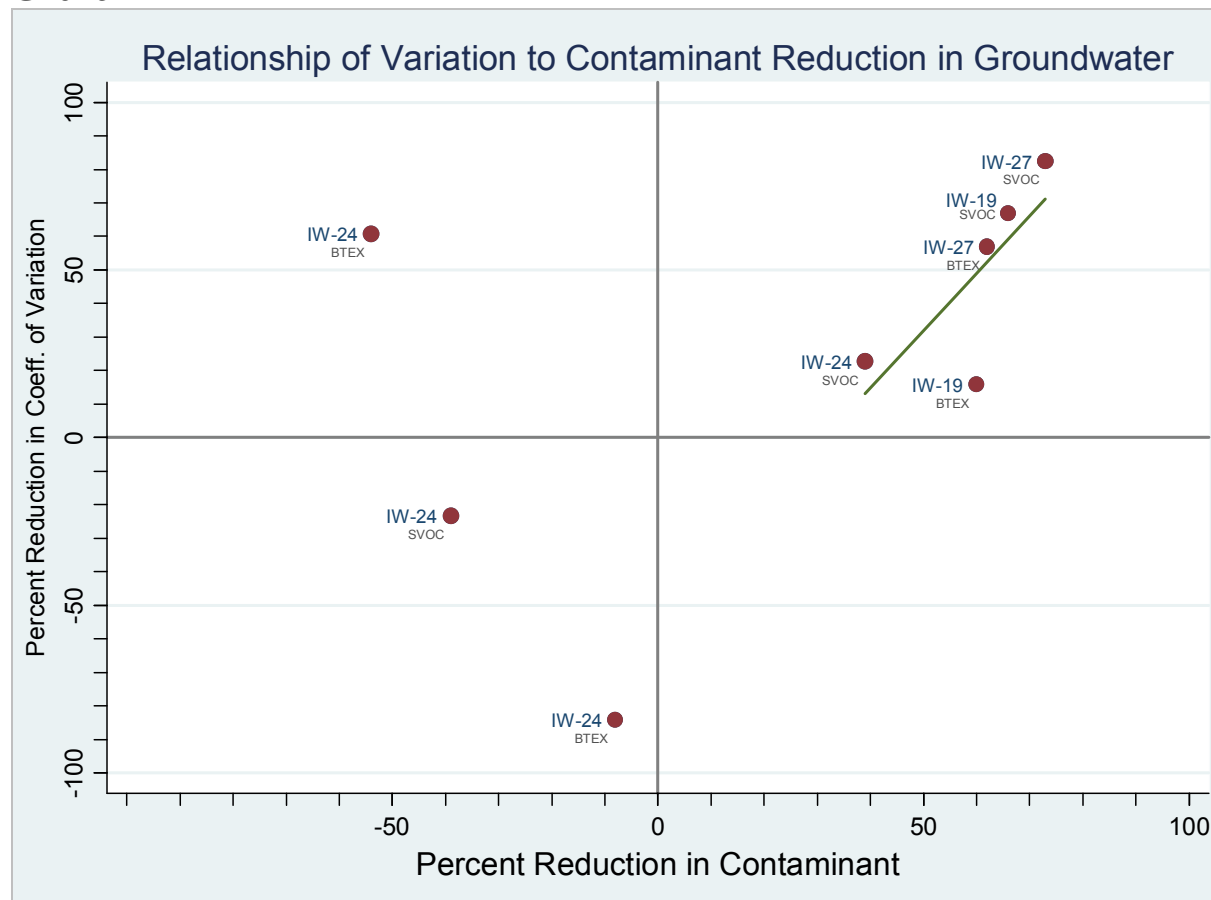
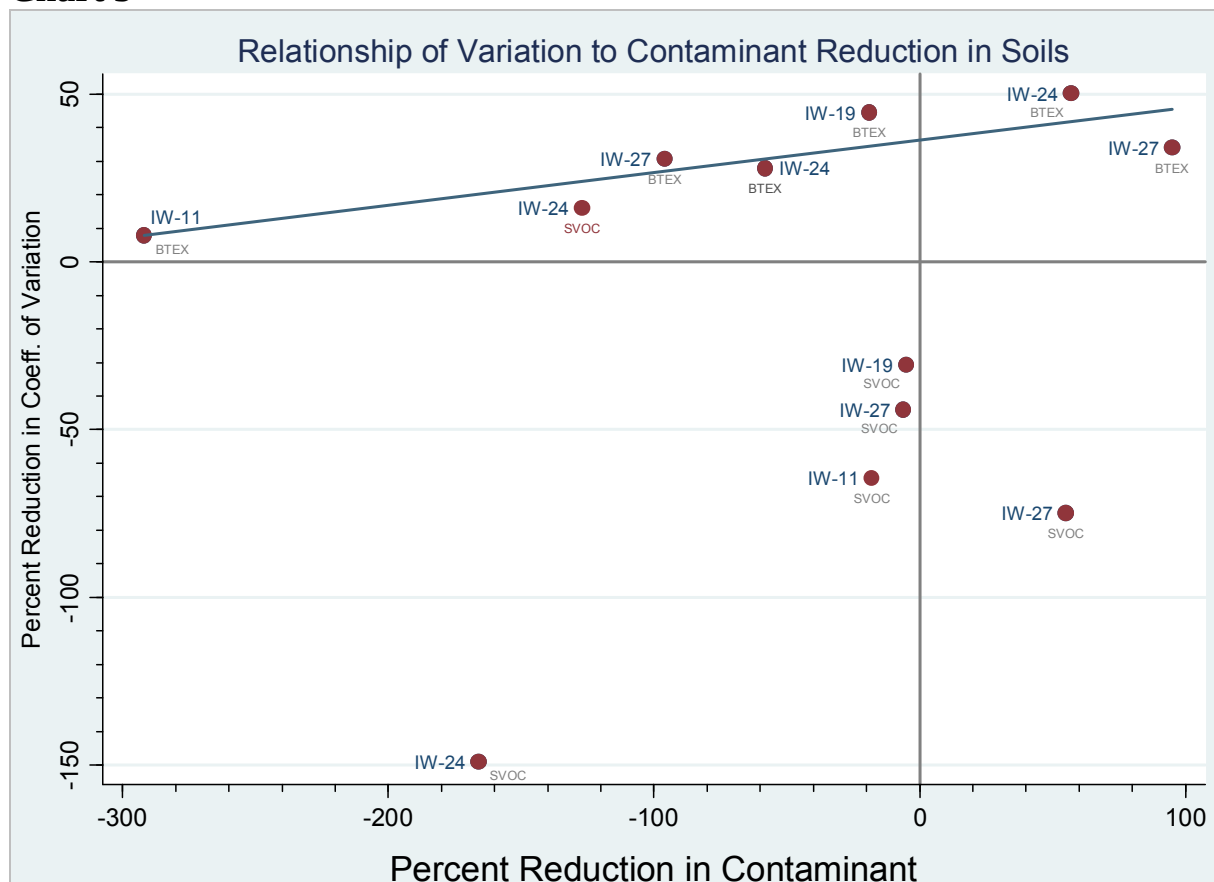


Chart 4 shows a plot of the percent reduction in coefficient of variation versus the percent reduction in Total SVOCs and BTEX in groundwater. Where the percent reduction is positive (showing a measurable decrease in contaminant), in the upper right hand quadrant, the plotted values show a decrease in variability with increasing reduction in contaminant. These results support the idea that variation decreases as remediation increases. These results show a percentage point reduction in contaminant level for every 0.34 percentage reduction in CV ($n = 5$, $F = 4.1$, $\text{prob.} > F = 0.14$). The relationship is moderately strong and has an R^2 of 0.58. By inference, the results in IW-24 for BTEX in Stratum 1, with a reduction in CV (CV greater than 0), have some level of remediation occurring even though it is not at a level which is measurable. The relationship between CV and percent reduction is more pronounced with soils as shown on Chart 4.

Chart 5



The samples on Chart 5 where the CV is greater than zero also show the same trend of greater reduction of contaminant with greater reduction in CV. With these results there is a percentage point reduction in contaminant level for every 7.2 percent reduction in CV ($n = 7$, $F = 11.85$, $\text{prob.} > F = 0.02$). The relationship is strong and has an R^2 of 0.70. Again, by inference, all the points in the upper left hand quadrant with a negative contaminant reduction probably have some degree of remediation from the Pilot Test but which is not quantifiable because of the low dosage and high levels of contamination. Because all but one of these is BTEX lends additional support to this assertion, since BTEX compounds are lighter and more readily degradable under a low oxidant dose.

The results in IW-19 lend support to the CV analysis as benzene and toluene decreased in soils by slightly approximately 31 and 64 percent ($n = 16/15$) even though post-injection BTEX results did not show a reduction. From the data, it appears that the percent contaminant reduction does not become measurable until the reduction in variability reaches about 35 to 45 percent. The only exception to this relationship is in IW-27 (S1), a SVOC, where there was contaminant reduction but the variation increased.

7.0 Conclusions

Mobilization and Migration of Contaminants

All Parcel 8 monitoring wells and some adjacent offsite monitoring wells were gauged daily during the injection period and at a reduced frequency after injection ceased in order to monitor potential NAPL migration. Monitoring wells between Parcel 8 and the East River were gauged during the Pilot Test. At no time was evidence of NAPL migration observed. However, the measures listed in the RAWP to address free product or NAPL migration will be implemented during full scale treatment.

Treatment Radius of Influence (ROI)

Radius of influence measures how far the treatment chemicals reached from the point of injection. A crucial part of radius of influence is the degree of coverage. Successful treatment depends on the oxidant coming into contact with the contaminant mass and not merely traveling from the injection point along preferential pathways. The measure of contact is known as sweep.

EC data is significant to drawing conclusions about the treatment's radius of influence. In IW-24 overall EC increased after injections, indicating that the S-ISCO® chemicals were detected throughout the injection area. The residual conductivity was extremely high closer to the point of injection (253 percent increase at 5 ft) and dropped off decisively at 10, 15 and 30 ft (from 33 to 24 to 10 percent, respectively). While evidence of injections was detectable out to 30 ft, the radius of influence in which there was an adequate degree of coverage was between 5 and 10 ft.

EC data for IW-27 suggests that injections achieved an ROI beyond 30 ft. In this injection area, the residual conductivity showed significant, consistent, increases at 5, 10 and 15 ft (83, 74 and 84 percent respectively) but a 1,858 percent increase at 30 ft. This data suggests relatively even dispersal.

EC data for IW-11, indicate that the use of a Geoprobe for injections yielded less complete EC increases, and led to contact that was limited to deeper depths. Overall, the greatest influence was seen close to the injection point (residual conductivity showed a 1,225 percent increase; Cd and SP in groundwater immediately at the well increased significantly), but steady increases were sustained out to 30 ft (73, 86 and 110 percent, at 10, 15 and 30 ft, respectively).

EC data for IW-19 showed that using a Geoprobe and conventional injections, influence was largely within 15 ft. Beyond 15 ft, the influence was mainly at deeper depths (<10 ft bgs). The degree of influence was highest closer to the injection point and progressively lessened moving outward from the point of injection (residual conductivity was 207, 178, 74 and 24 percent at 5, 10, 15 and 30 ft).

Conventional injection, overall, yielded less even distribution of oxidant. A fixed amount of oxidant moved farther, at the expense of less even distribution and contact. The average percent change in EC with conventional injections was 43.5 percent, compared to 103

percent for pressure pulse points. In addition conventional influence was noted at deeper depths, due to density-driven transport. Pressure pulse injections, on the other hand, experienced less influence by the density of the fluid and spread the injections further. The larger area, however, reduced the amount of oxidant to react.

In all injection points, the overall trend was, as predicted, a greater degree of influence closer to the point of injection. In IW-27, however, an unexplainable 89 percent of the total change in EC occurred at 30 ft. In conclusion, however, the region monitored for influence was not large enough to capture the full extent of the injections' ROIs.

Soil Gas

Carbon dioxide is the only gaseous product of the oxidation reactions that take place between sodium persulfate and the contaminants present in the subsurface.

Significant reductions in maximum soil gas concentrations were achieved for all tested contaminants, ranging from 31 percent to 96.5%. Only total VOCs increased in concentration, due to the presence of the citrus terpenes in VeruSOL®.

Injection Parameters

The average injection flow rate of pressure pulse injections was more than 13 percent greater than conventional injections. In addition the rate of pressure pulse injections was less variable. Pressure pulse dispersed injections more evenly than conventional injections, which directed fluid largely along preferential pathways.

The sustainable rate achieved by pressure pulse injections ranged from 12 to 13 gpm, or two times the rate expected, in both the shallow and deep depth intervals.

On average per injection location, only 12 percent of the Full Scale injection volume was injected, and 29 percent of the mass was injected. In addition, with the exception of one injection point, the time during which injections took place was only 3 to 5 percent what it will be during Full Scale.

Effectiveness

Two methods of soil COC mass reduction were utilized in the effectiveness analysis of the Pilot Test. Based on depth and radial distance analysis of pre- and post soil data, it was evident where treatment took place in specific strata and where it did not. When averaging all data within a 15 ft radius of influence there was an estimated initial COC mass of 3,240 kg and an estimated final reduction in soil COC mass of 187 kg for an overall 5.8% reduction. When still utilizing an overall averaged mass analysis but broken down by depth (i.e., shallow and deep intervals) for each of the 4 Gridcell zones, only Gridcell 27 was observed to exhibit overall SVOC and BTEX reductions of 54.6% and 94.8%, respectively. In Gridcell 24, in the shallow depth interval overall BTEX mass was reduced by 56.4%.

Using a more radial distance and depth specific analysis than the above overall method of COC mass reduction, based on the fact that during a low chemical dose Pilot Test, such as this, it is likely that treatment will take place initially closer to the injection well and not over

the entire 15 ft radius of influence treatment zone. When this analysis was conducted for the areas where treatment effectiveness was observed during the Pilot Test and initial mass of COCs present prior to and following the Pilot Test was calculated to be 799.2 kg and 215.0 kg, respectively. The yields a total COC mass removal of 584.2 kg or 73.1%. Based on the zones actually treated in Gridcell 27, 11, 19, and 24 COC mass reductions were calculated to be 93.9%, 84.2%, 77.2% and 10.9% respectively.

Overall an 18.0 percent reduction was seen in soil mass during the Pilot Test.

In soil a total COC mass reduction of 584.2 kg occurred during the Pilot Test. In groundwater, SVOC and BTEX reductions were measured in all points for which data was collected. The 38.5 to 73.4 percent reductions were greater and less variable than the reductions noted in soils, due to the greater homogeneity of the groundwater medium and the fact that the low dose oxidant will first react with contaminants present in or most readily transferred to the aqueous phase.

Summary

The Pilot Test took place over a short duration and consisted of injections of oxidant that were only a fraction of the mass and volume required for Full Scale implementation. Nonetheless, the Pilot Test accomplished its stated objectives and yielded the information necessary to design the Full Scale remediation. Data obtained from EC and groundwater quality monitoring, for example, illustrated the desired link between an increase in EC and a decrease in contaminant mass and concentration. Comparisons of radius of influence and degree of treatment in injection areas that used pressure pulse and conventional injection methods indicated that pressure pulse technology was more effective in dispersing the oxidant; promoted greater contact between contaminant and oxidant; and was generally superior to conventional injections. In addition the pressure pulse injection enabled higher, less variable injection rate to be achieved and sustained. The results also indicate that injection wells performed better than the Geoprobe® points.

Reductions in contaminant concentrations and mass varied considerably in the test. Where contact was limited and/or the initial contaminant mass very high, there was little or no measurable response. Where contact was better, as indicated by EC data, contaminant concentrations and mass decreased at high percentages. Individually, some contaminants were reduced by 90 percent or greater.

The Pilot Test provides a window into the success that can be achieved by the Full Scale implementation at this Site. The Full Scale implementation will take place over months, rather than days, and sufficient oxidant doses in volumes of fluid adequate to reach the entirety of a treatment area will be injected. Pressure pulse technology will be used for all injections and provide greater efficiency and effectiveness. In addition permanent injection wells will be used, offering more consistent and reliable dosing. The Pilot Test affirmed the applicability and effectiveness of this set of remedial technologies in treating the contamination at the Site, and provided data that can be used to optimize treatment.

8.0 Recommendation for Full Scale

Based on the results and observations from the Pilot Test, FLS recommends conducting the Full Scale S-ISCO® Implementation with the pressure pulse technology as a remedial action to complete treatment at the Parcel 8 Site. Prior to implementation of the Pilot Test, based on the bench-scale laboratory study, VeruTEK previously recommended injection of 128,627 kg of sodium persulfate to treat the originally estimated 64,000 lbs of contaminant mass present at the Site. Based on the results from the Pilot Test, by comparing mass treated to mass of oxidant injected and radius of influence achieved, VeruTEK maintains that this dosage of oxidant is appropriate for Full Scale injections. However to maintain greater contact of oxidant in the subsurface with contamination as well as to avoid density driven transport, VeruTEK recommends injecting the oxidant at a lower concentration. To avoid the density driven transport and increase radius of influence, an injected sodium persulfate concentration of ~ 25 g/L to 50 g/L is recommended compared to the 100 g/L used during the Pilot Test. For Full Scale Injections, VeruTEK also recommends a greater dosage of sodium hydroxide compared to that used during the Pilot Test. For Full Scale Injections, initial sodium hydroxide dosage should begin at 20 g/L, which will help raise the pH faster and sustain the alkaline conditions necessary for activating persulfate. The surfactant dosage used during the Pilot Test was efficient, and the dosage of 5 g/L is recommended to be continued for Full Scale Injections. From a practical perspective, there may zones where density driven treatment is desired and sodium persulfate concentrations up to 100 g/L may be used. Similarly, in zones of very high tar concentrations, concentration of VeruSOL® up to 20 g/L may be used to accelerate treatment.

During the Full Scale injections, VeruTEK will have a full-time laboratory set up on Site. This laboratory will be used to monitor performance and process parameters. With this “live” reading of site conditions real-time changes will be possible during the Full Scale injections to maximize dosage and control the injected system.

For Full Scale Injections, permanent injection wells will be used. The use of permanent injection wells overcomes many of the equipment/mechanical failures that are associated with the use of Geoprobe® injection points. Additionally, permanent wells allow for more flexibility in injection, such that the wells can be reused throughout the injection process. A recommended 24 to 30 permanent injection wells are recommended across the Site to achieve best distribution and optimal contact with contaminated areas.

Wavefront’s Primawave™ Technology will be used at each injection well during Full Scale Injections. During the Pilot Test the pressure pulse created better distribution throughout the subsurface compared to conventional injection methods. Additionally, the pressure pulse well helped maintain consistent flow rates. Usage of the Primawave™ technology will help maintain a reliable schedule of injections by maintaining the consistent flow rates, and assuring the greatest distribution of injected chemical.

Figures



Northern Embayment

47th ROAD

Peninsula Park

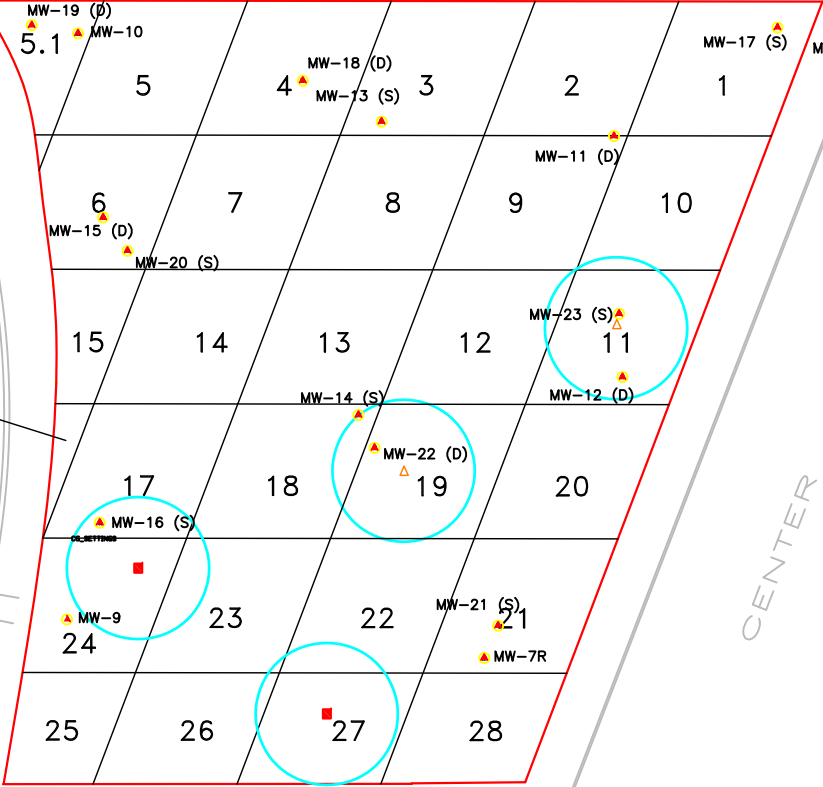
Southern Embayment

Gantry State Park

CENTER BOULEVARD

48th AVENUE

NOTE:
ACTUAL INJECTION LOCATIONS MAY VARY SLIGHTLY DEPENDING
ON FIELD CONDITIONS, SUBSURFACE OBSTRUCTIONS, OR EQUIPMENT.



PILOT TEST			
WELL TYPE	GRID CELL	TEST	TEST INTERVAL
WELL POINT 1	11	MED-COURSE SAND	10-27'
WELL POINT 2	19	MED-COURSE SAND & SILTY CLAY	11-23'
WELL CLUSTER 1:			
UPPER	17/24	MED-COURSE SAND	10-16'
LOWER	17/24	MED-COURSE SAND	16-22'
WELL CLUSTER 2:			
UPPER	27	MED-COURSE SAND	10-16'
LOWER	27	SILTY CLAY	16-22'



Environmental Management & Consulting

158 West 29th Street, 9th Fl
New York, NY 10001

Queens West Development
Parcel 8
BCP Site No. C241087

FIGURE 1

PARCEL 8
PROPOSED
PILOT TEST
LOCATIONS

Date
July 2009

Project Number
10011-007-3

LEGEND

- ▲ "EXCITATION" WELL POINT
- "EXCITATION" WELL CLUSTER
- 22 GRID CELL NUMBER
- ▲ EXISTING MONITORING WELL

LOCATION AND TEST INTERVALS MAY BE
ADJUSTED BASED ON FIELD CONDITIONS

Fig 2.1

IW-24 Pressure Pulse Injection, Pre & Post Conductivity Measurements

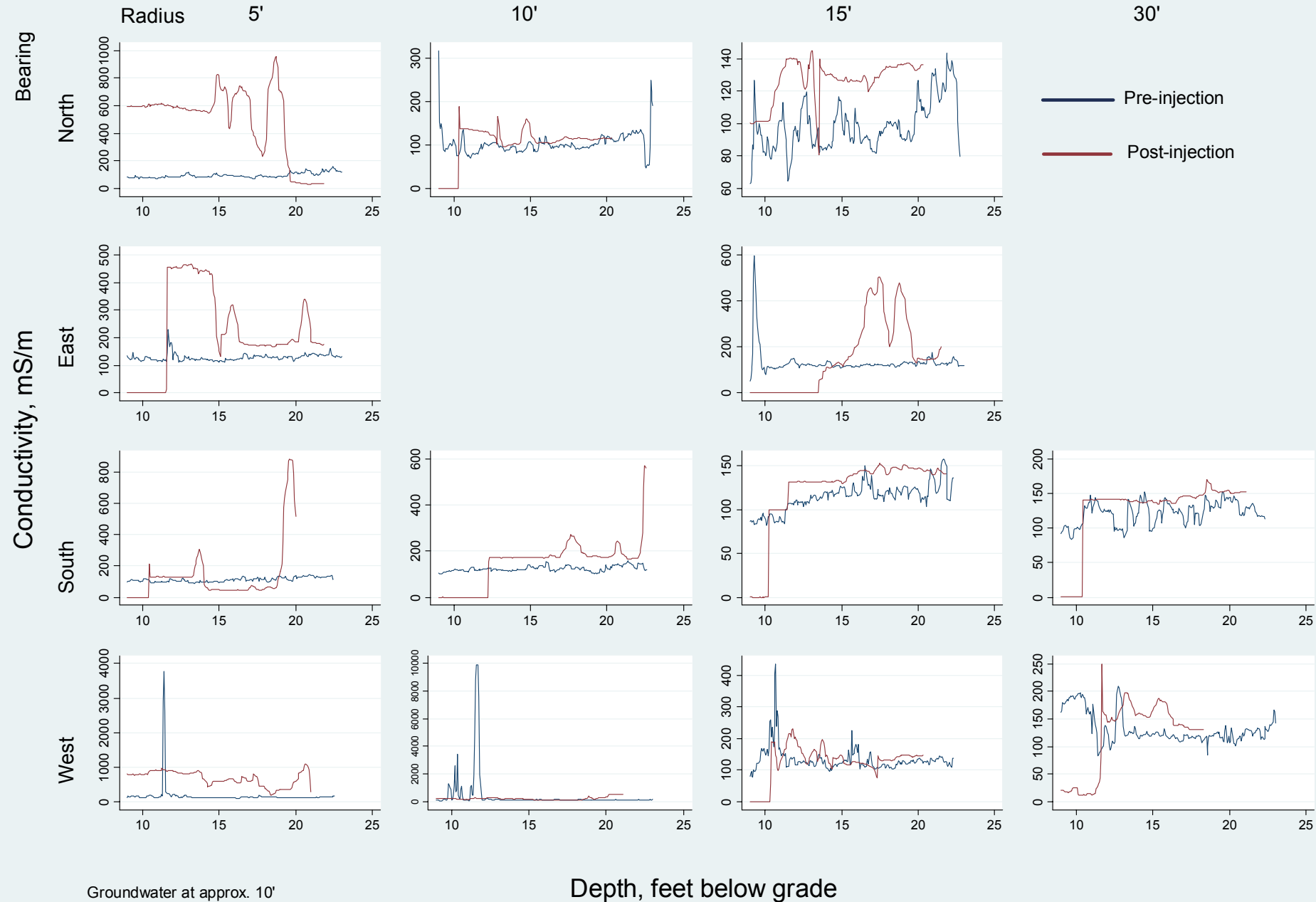
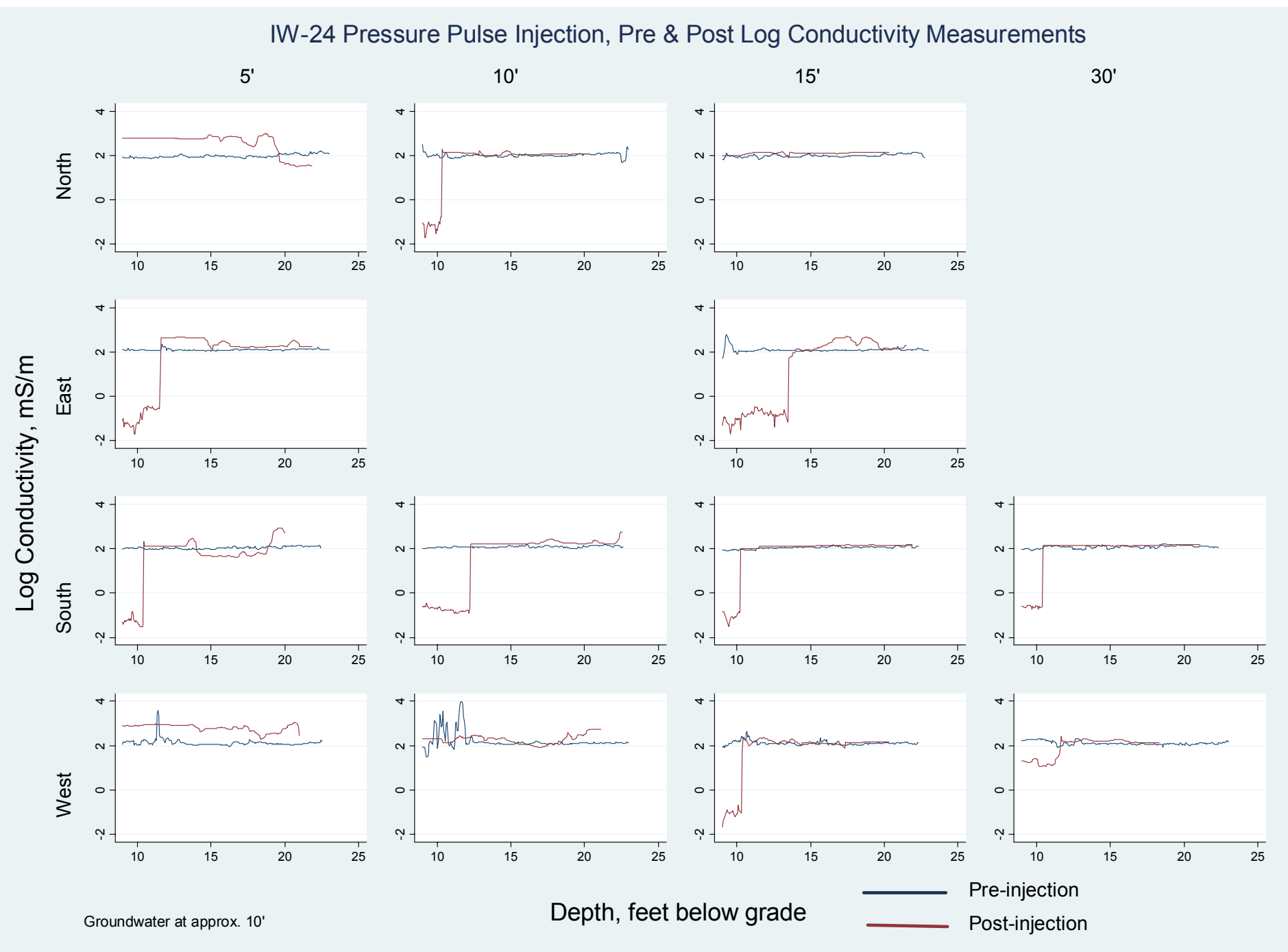
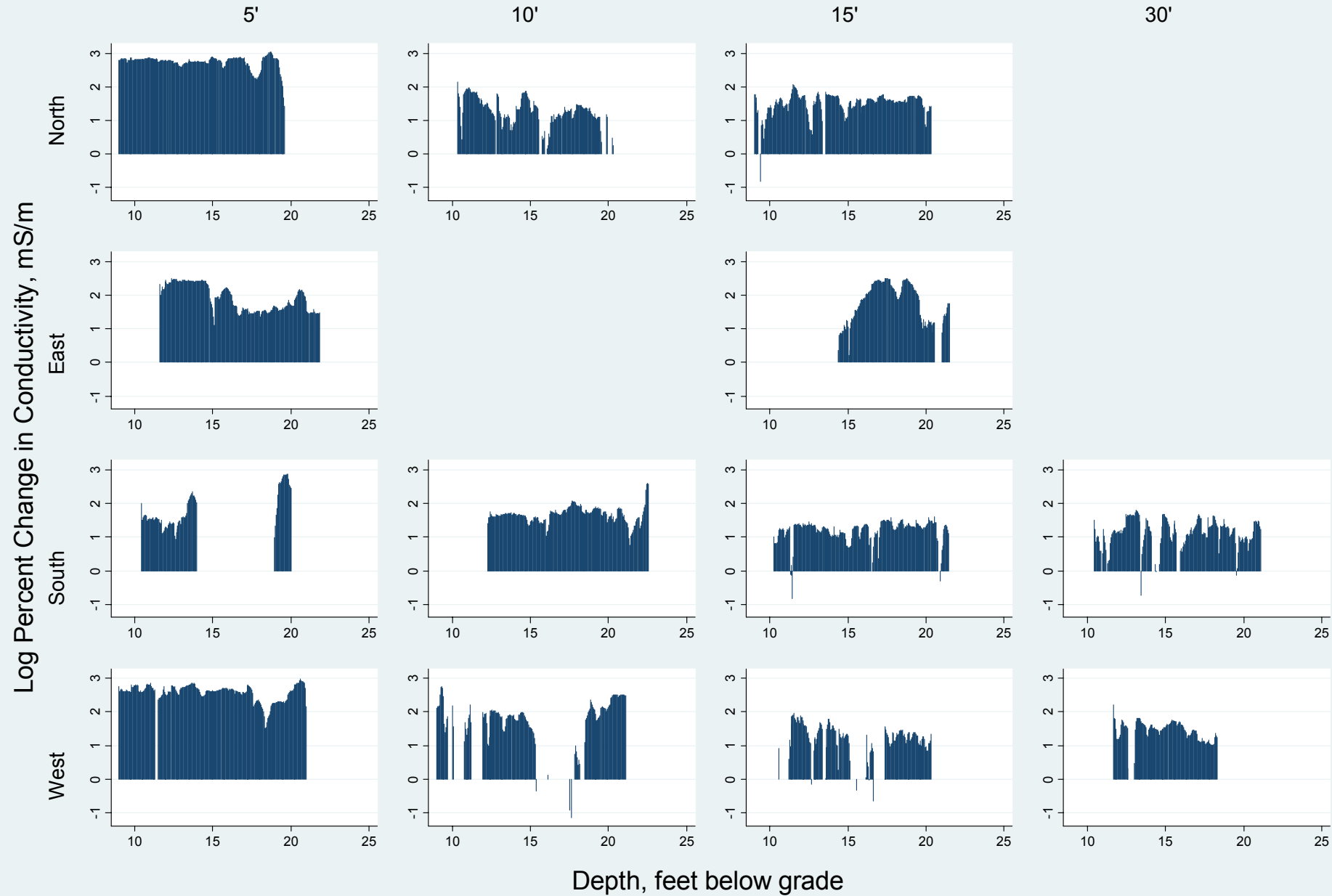


Fig 2.2



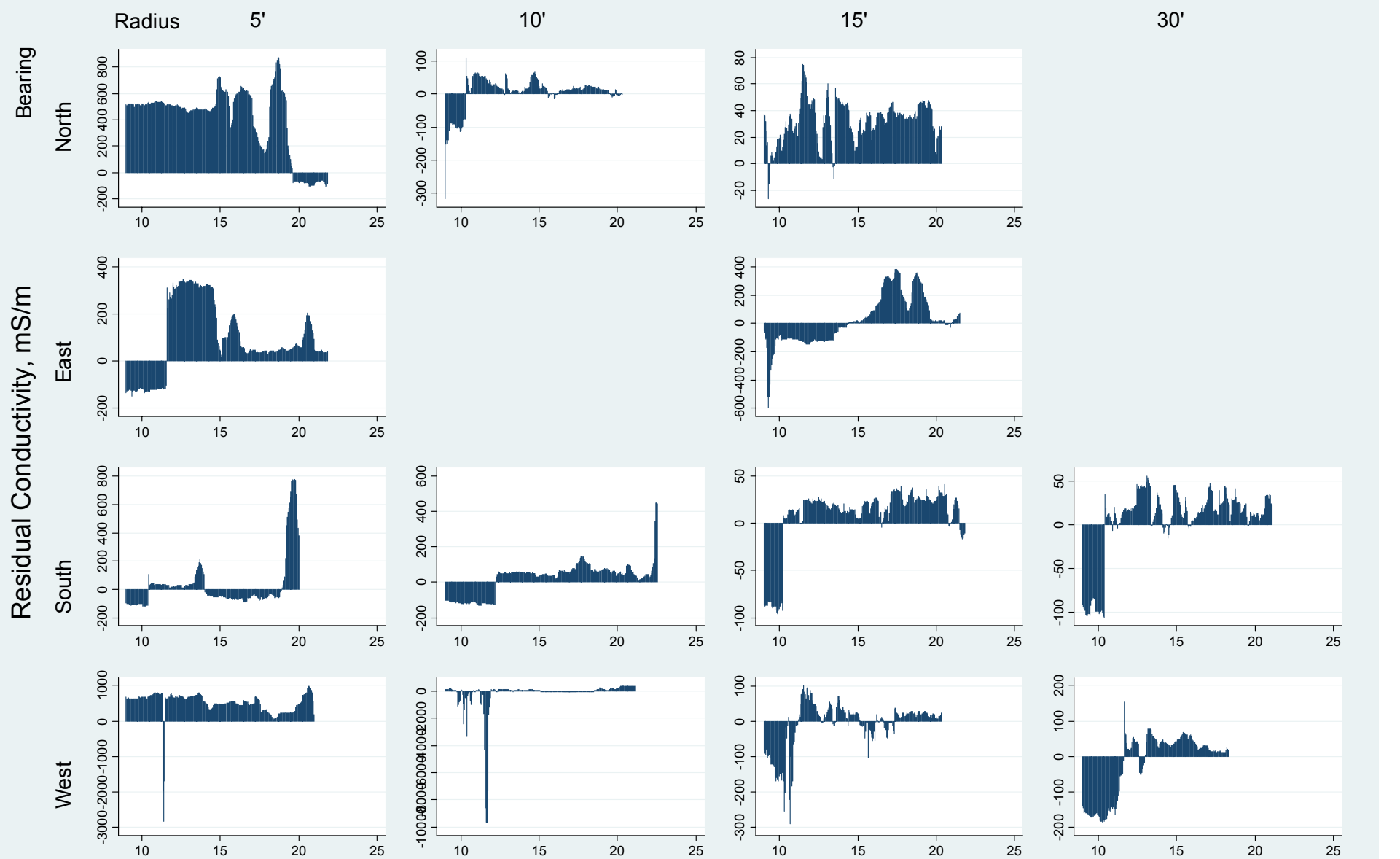
IW-24 Pressure Pulse Injection, Log Pct. Change in Conductivity



Groundwater at approx. 10'

Fig 2.3

IW-24 Pressure Pulse Injection, Residual Conductivity



Groundwater at approx. 10'

Depth, feet below grade

Residual conductivity =
Post-injection cond. - pre-injection cond.

Fig 2.4

IW-24 Pressure Pulse Injection, Percent Conductivity Change

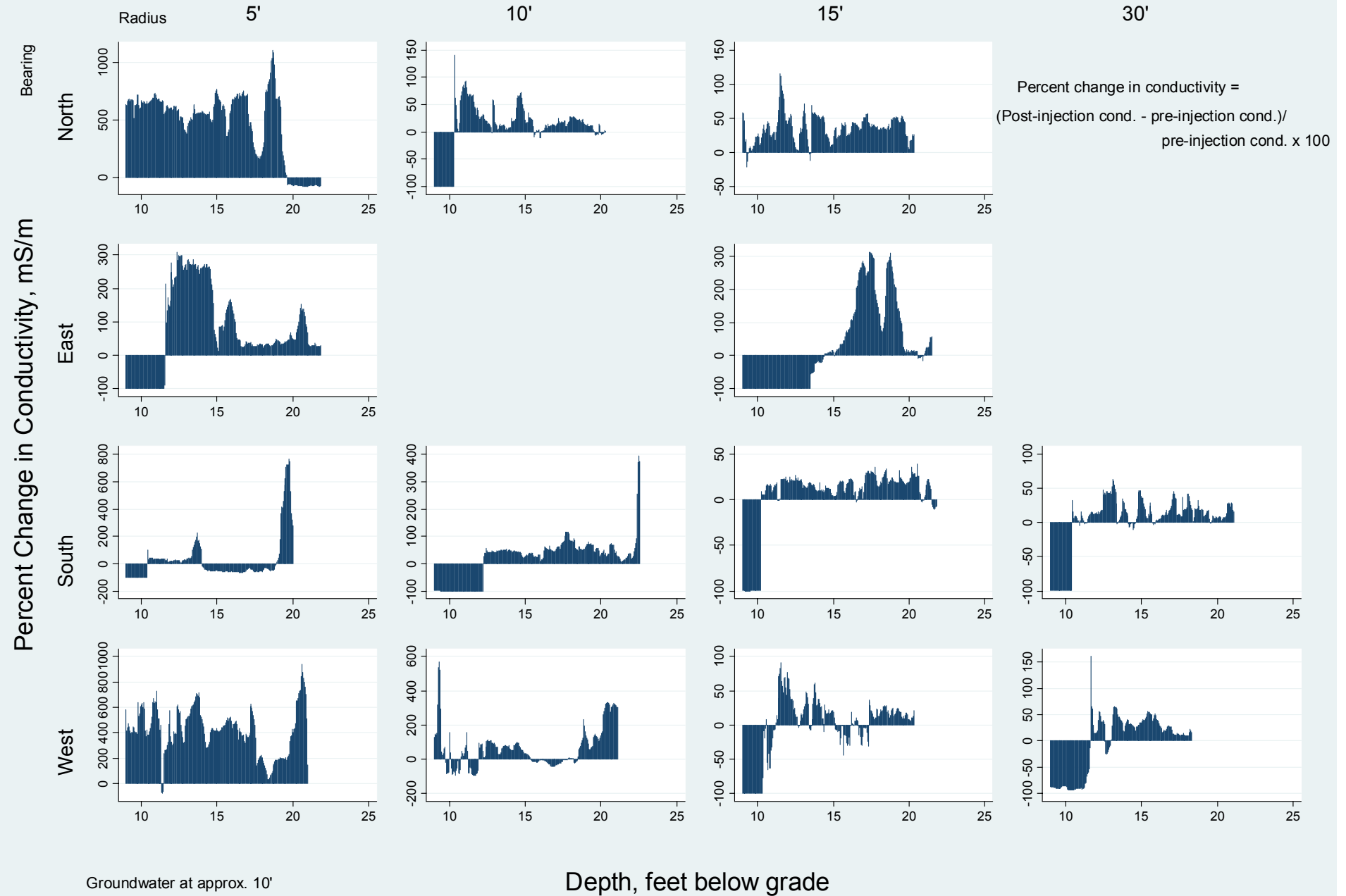


Fig 3.1

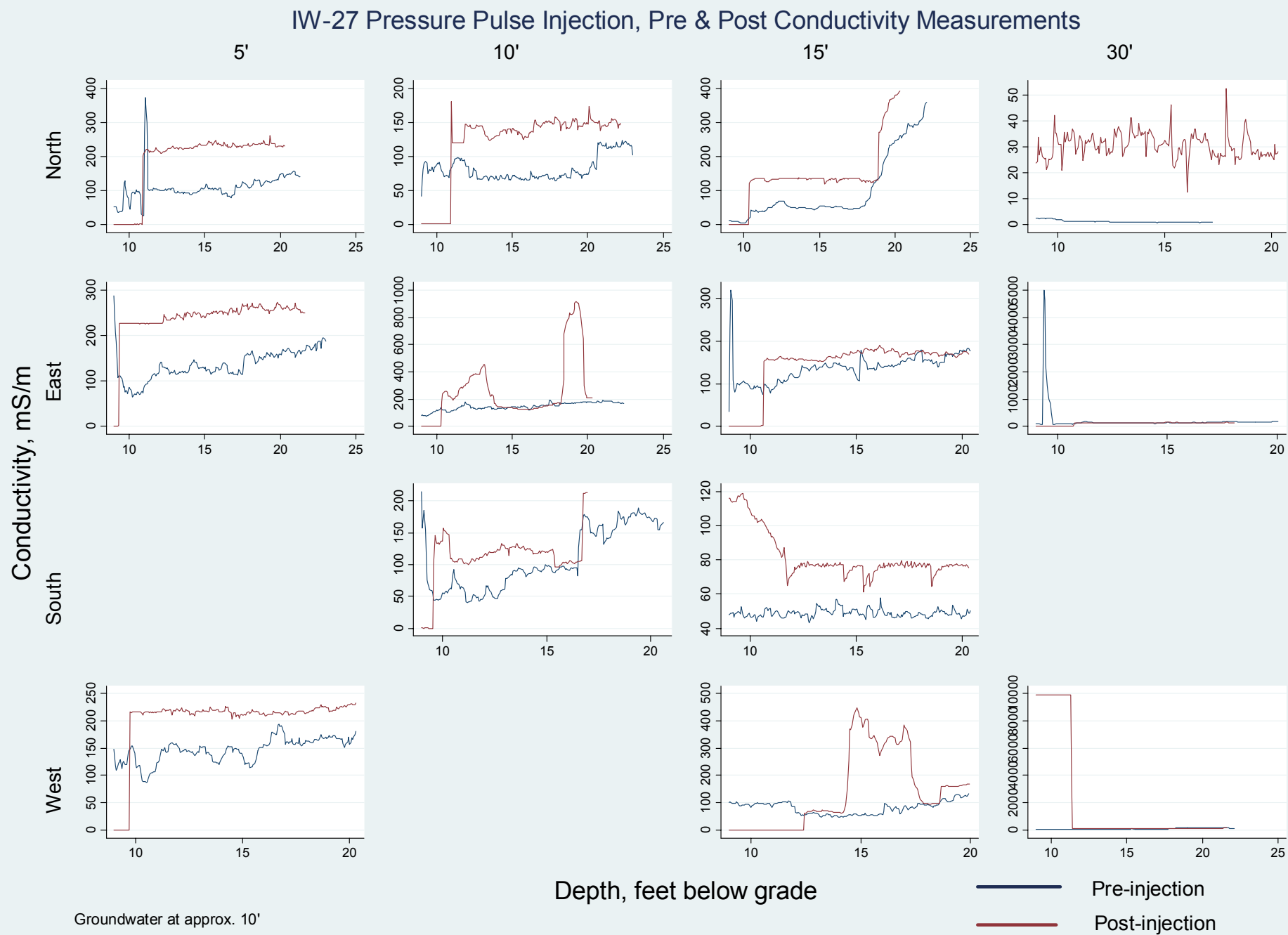
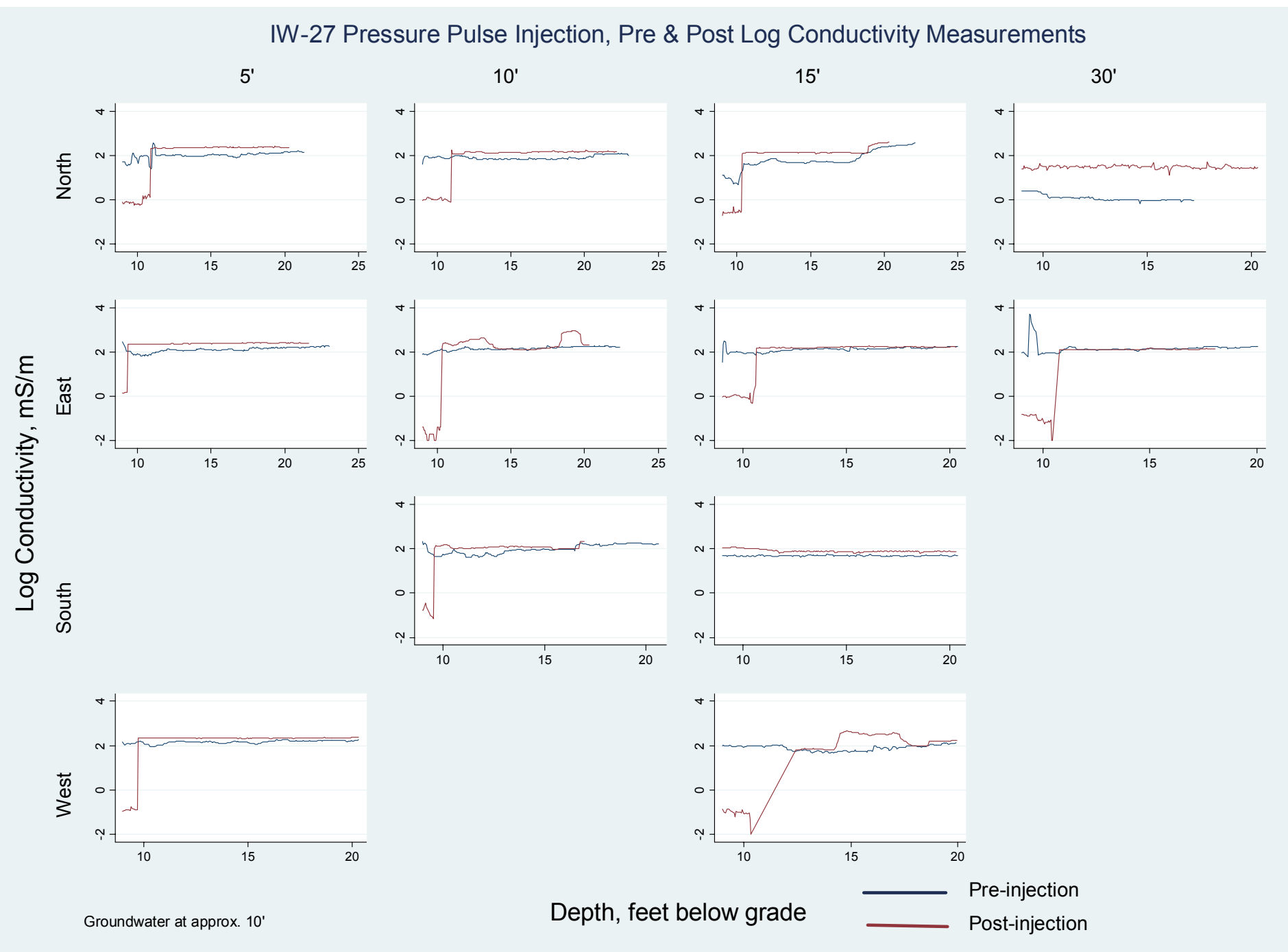
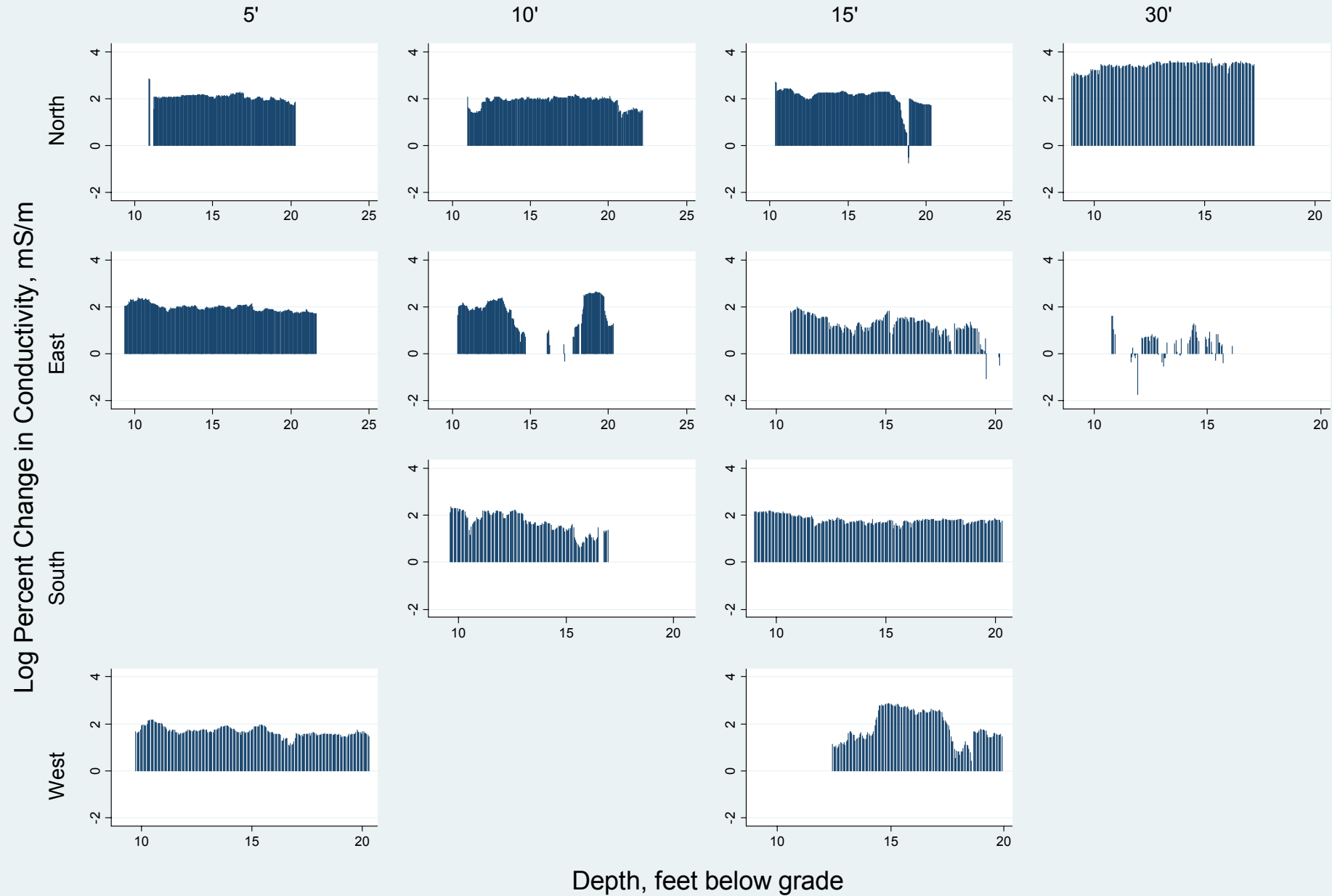


Fig 3.2



IW-27 Pressure Pulse Injection, Log Pct. Change in Conductivity



Groundwater at approx. 10'

Fig 3.3

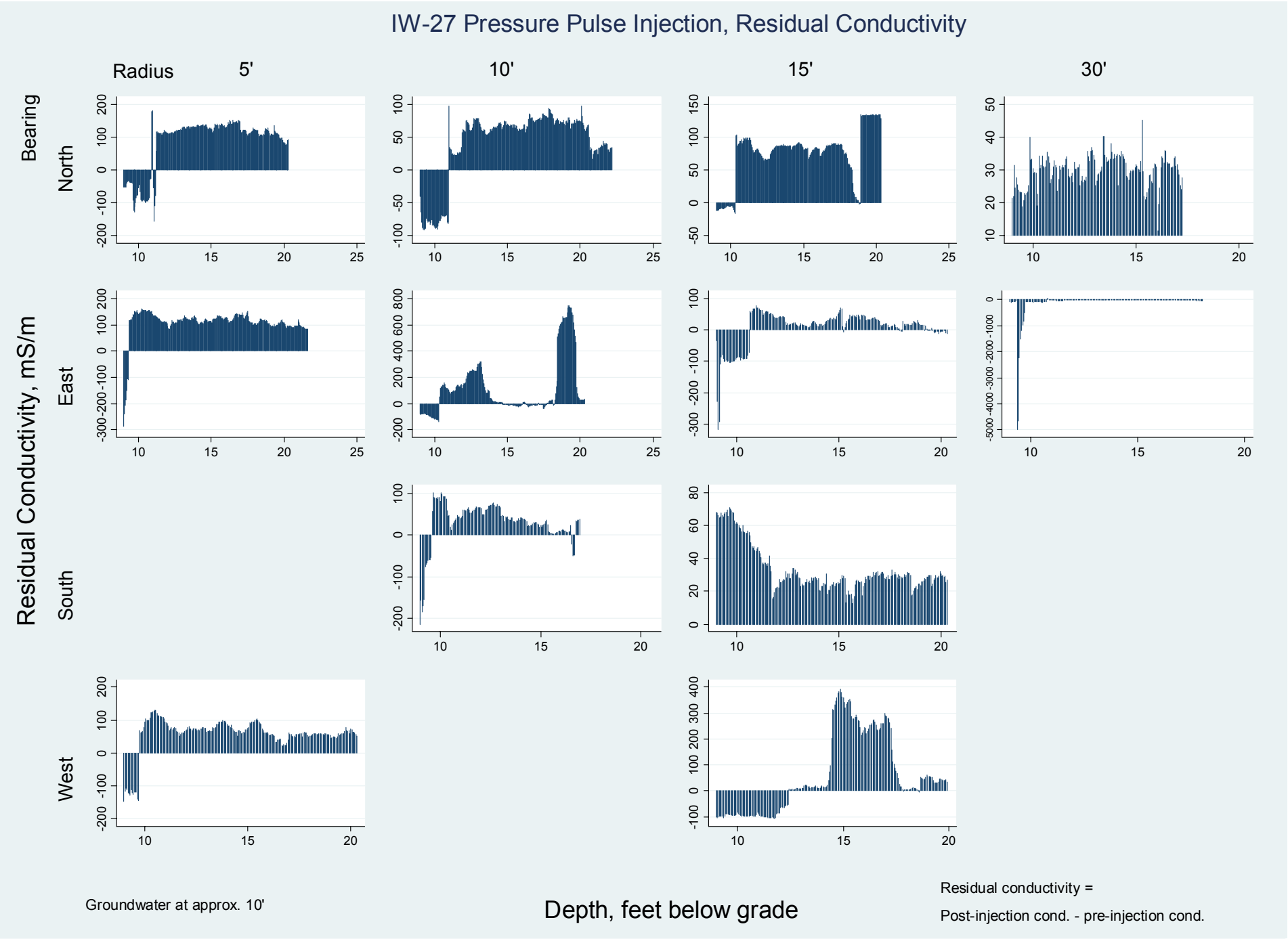


Fig 3.4

IW-27 Pressure Pulse Injection, Percent Conductivity Change

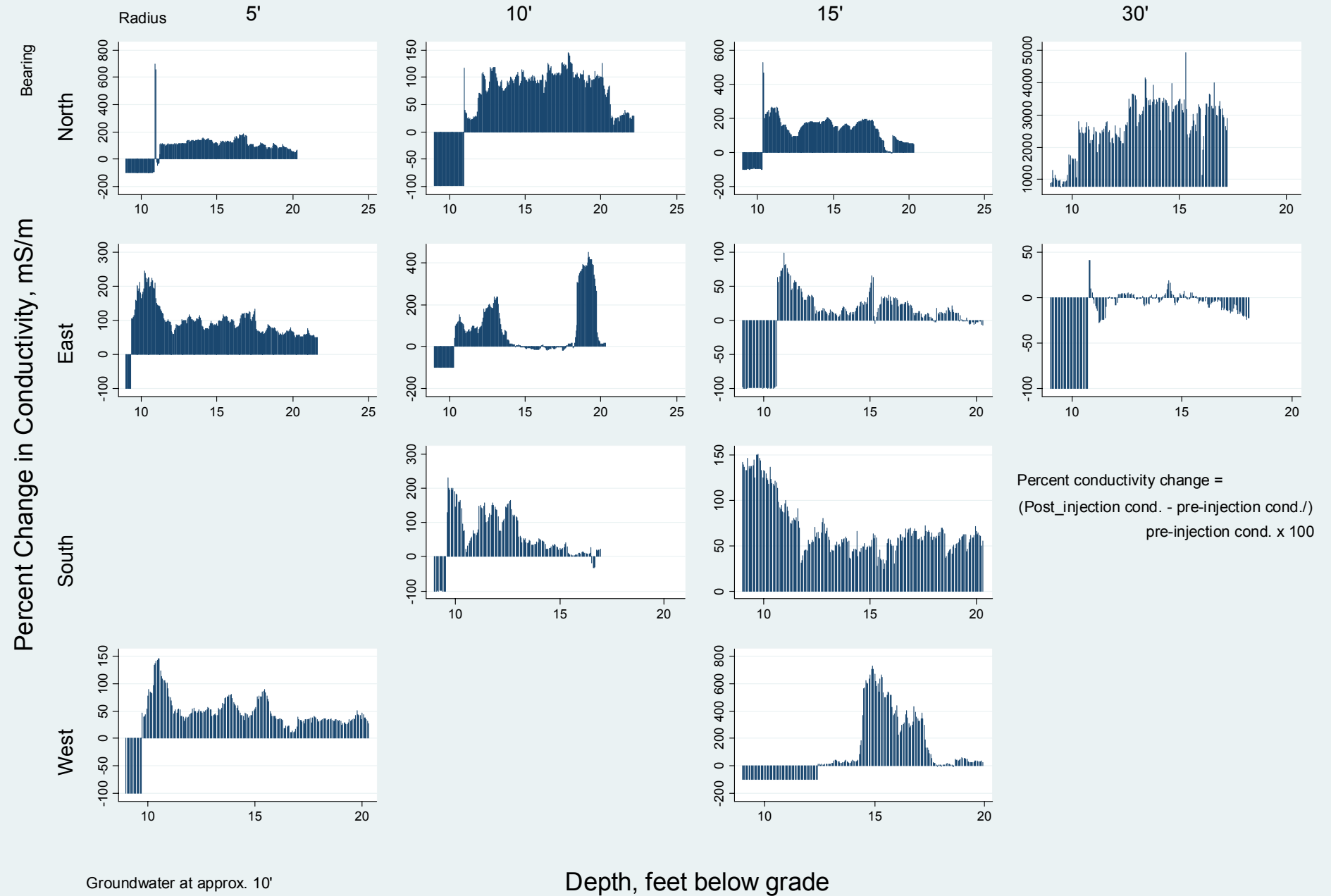


Fig 4.1

IW-11 Pressure Pulse Injection, Pre & Post Conductivity Measurements

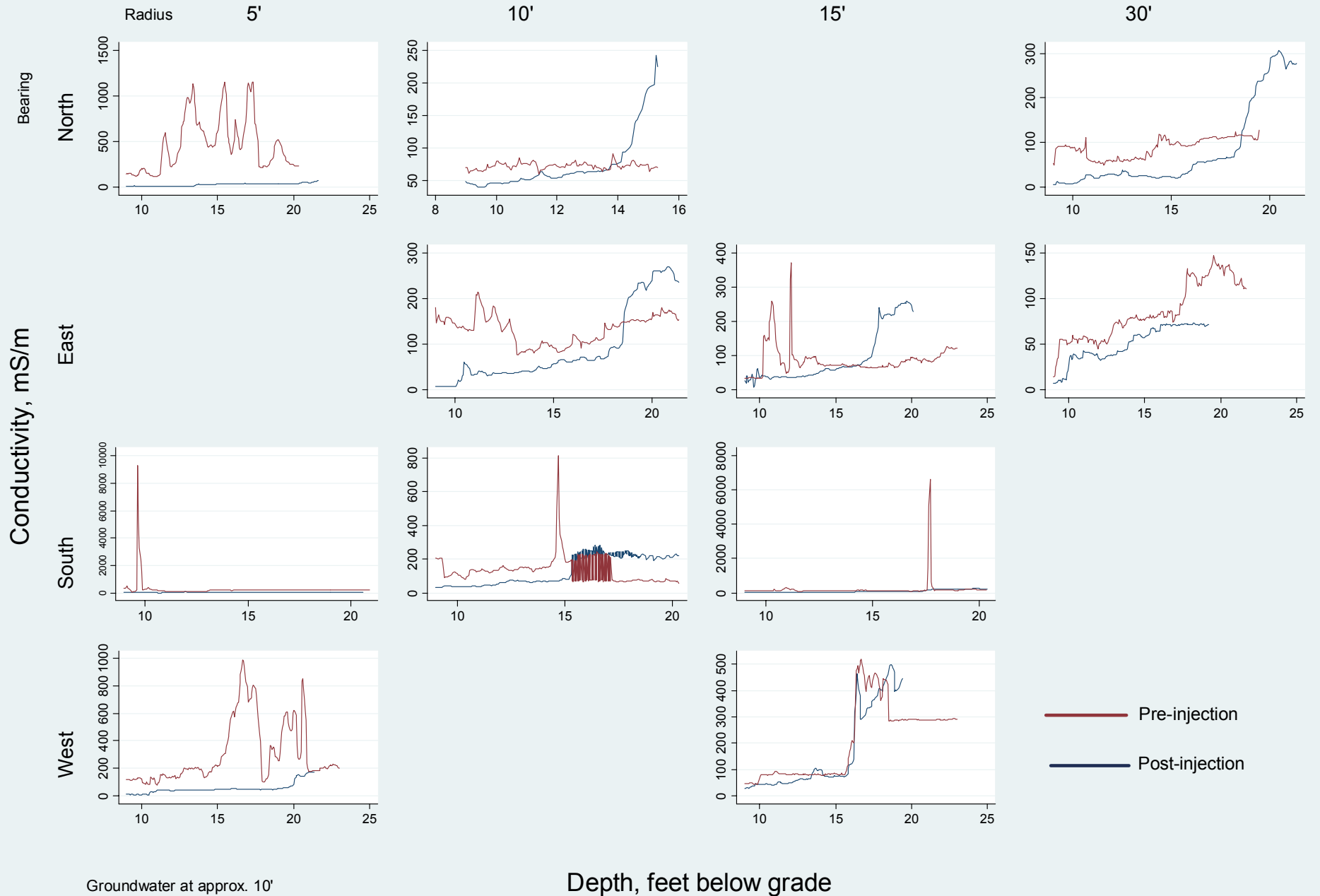
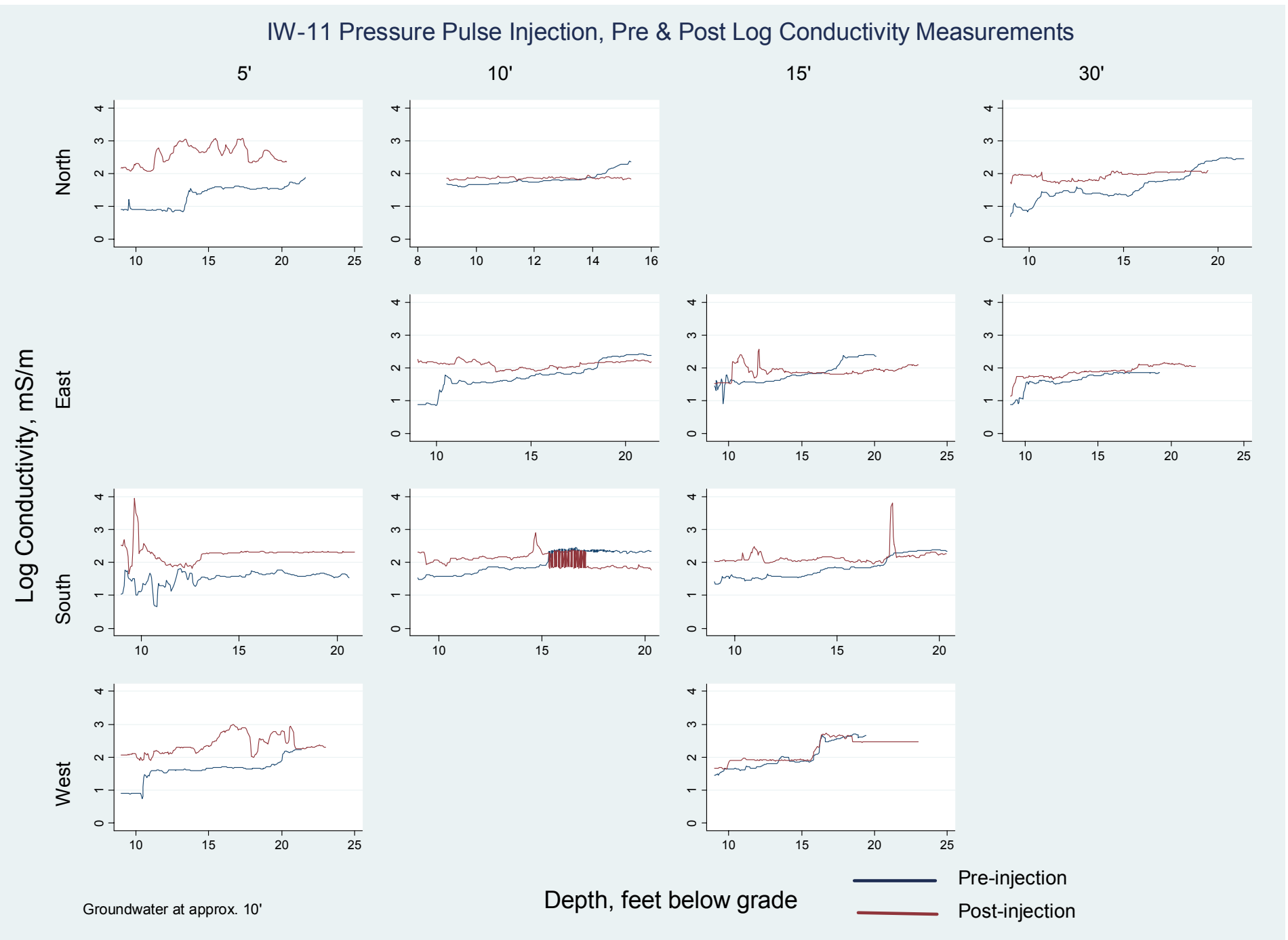
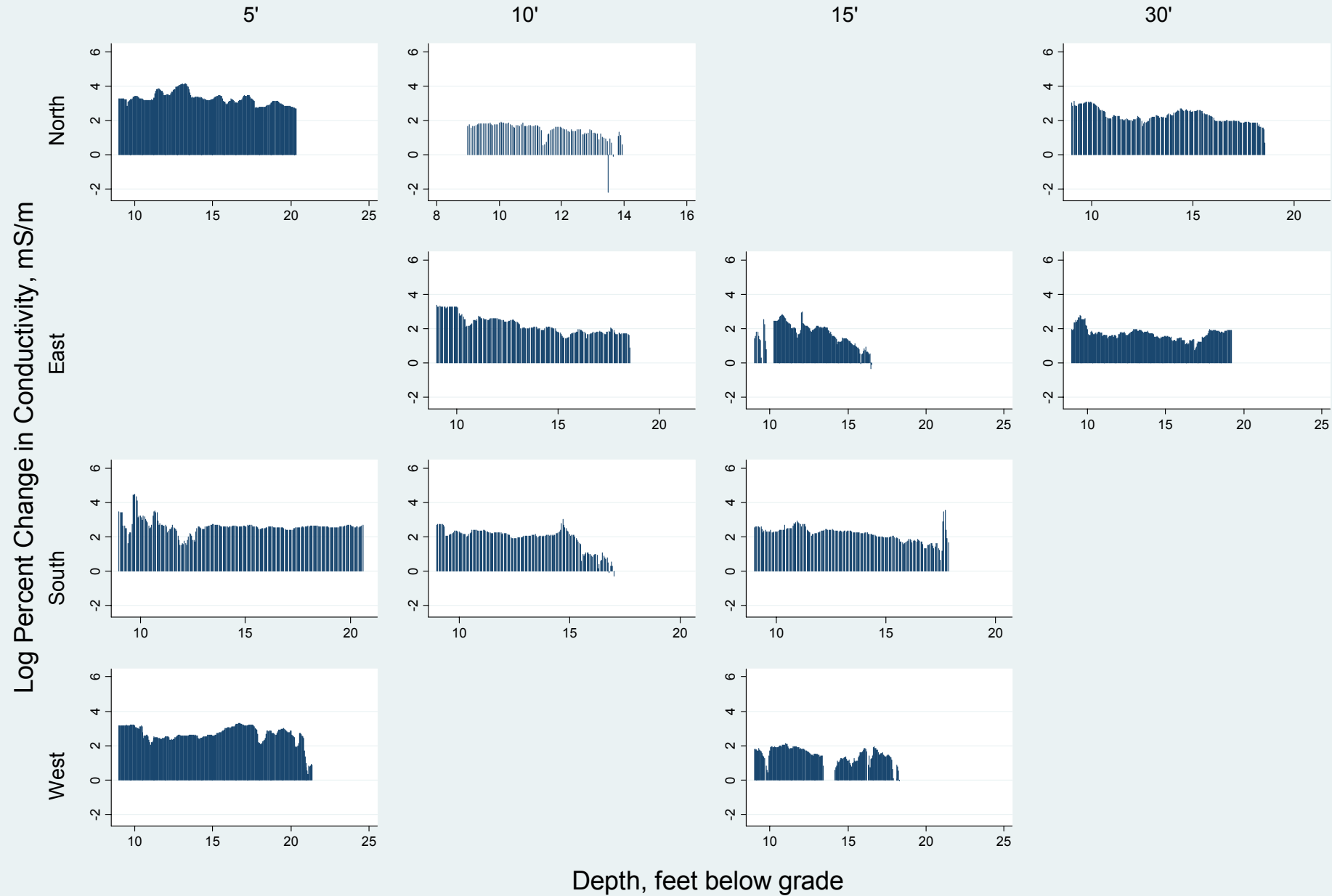


Fig 4.2



IW-11 Pressure Pulse Injection, Log Pct. Change in Conductivity



Groundwater at approx. 10'

Fig 4.3

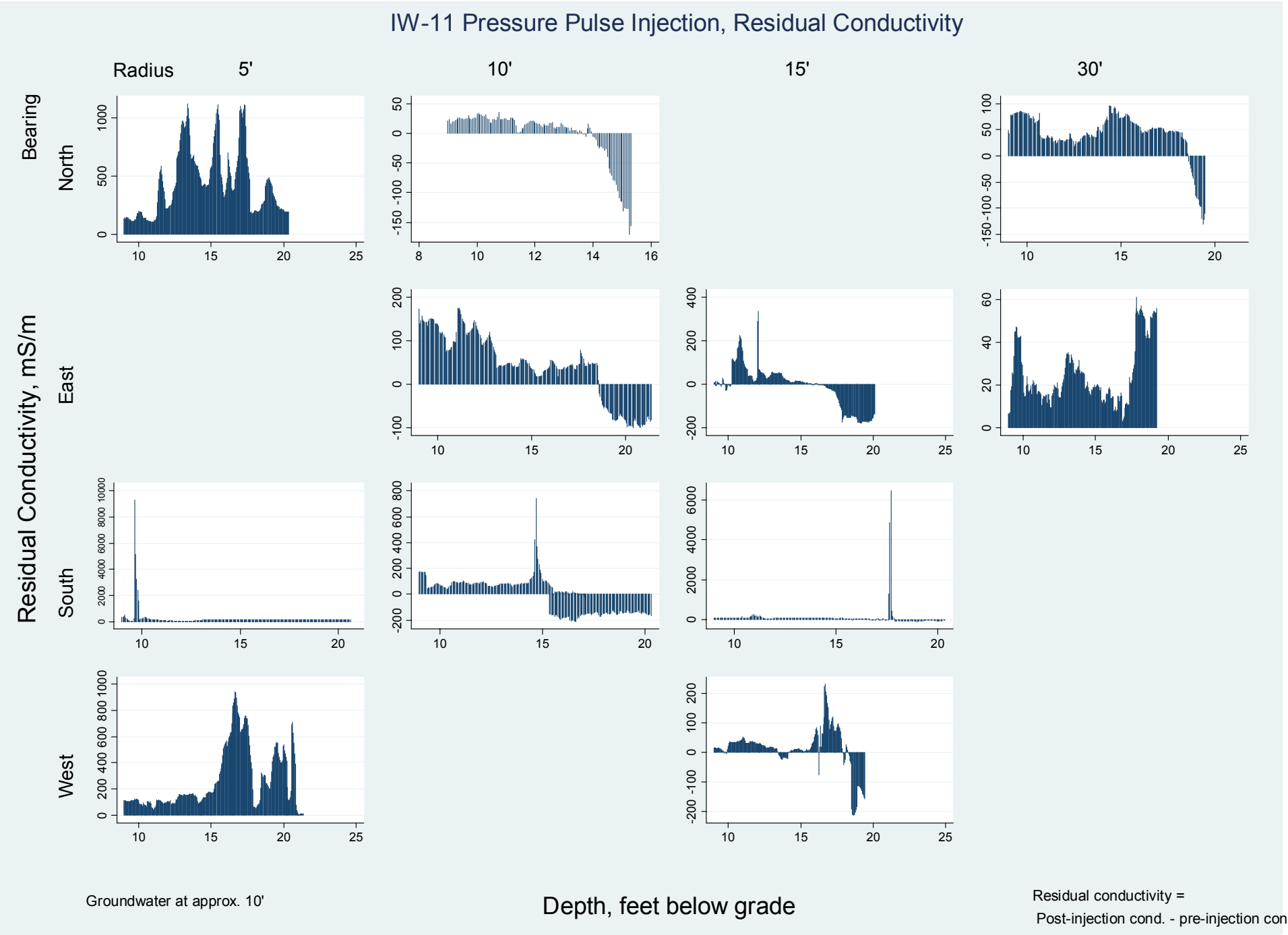


Fig 4.4

IW-11 Pressure Pulse Injection, Percent Conductivity Change

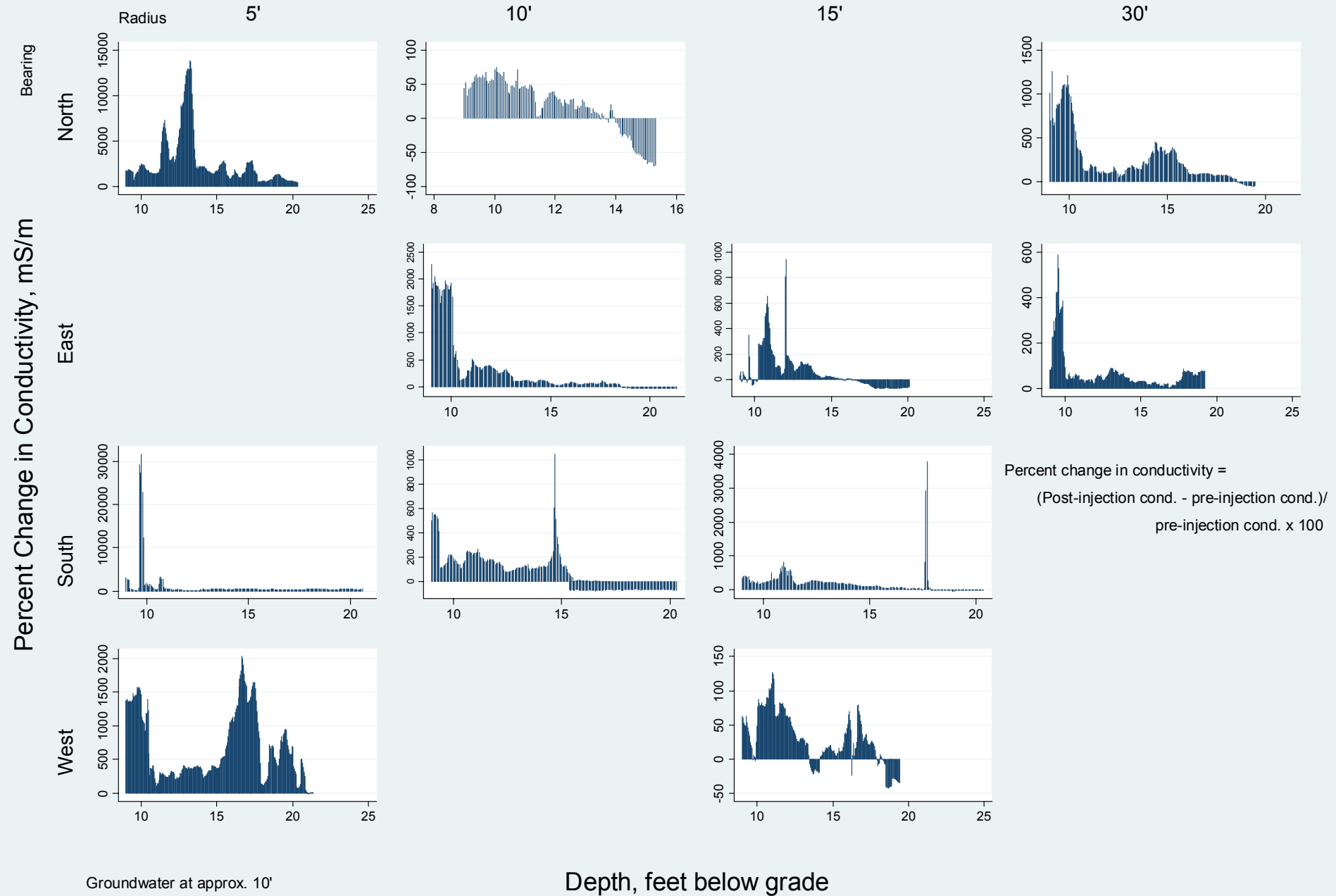


Fig 5.1

IW-19 Conventional Injection, Pre & Post Conductivity Measurements

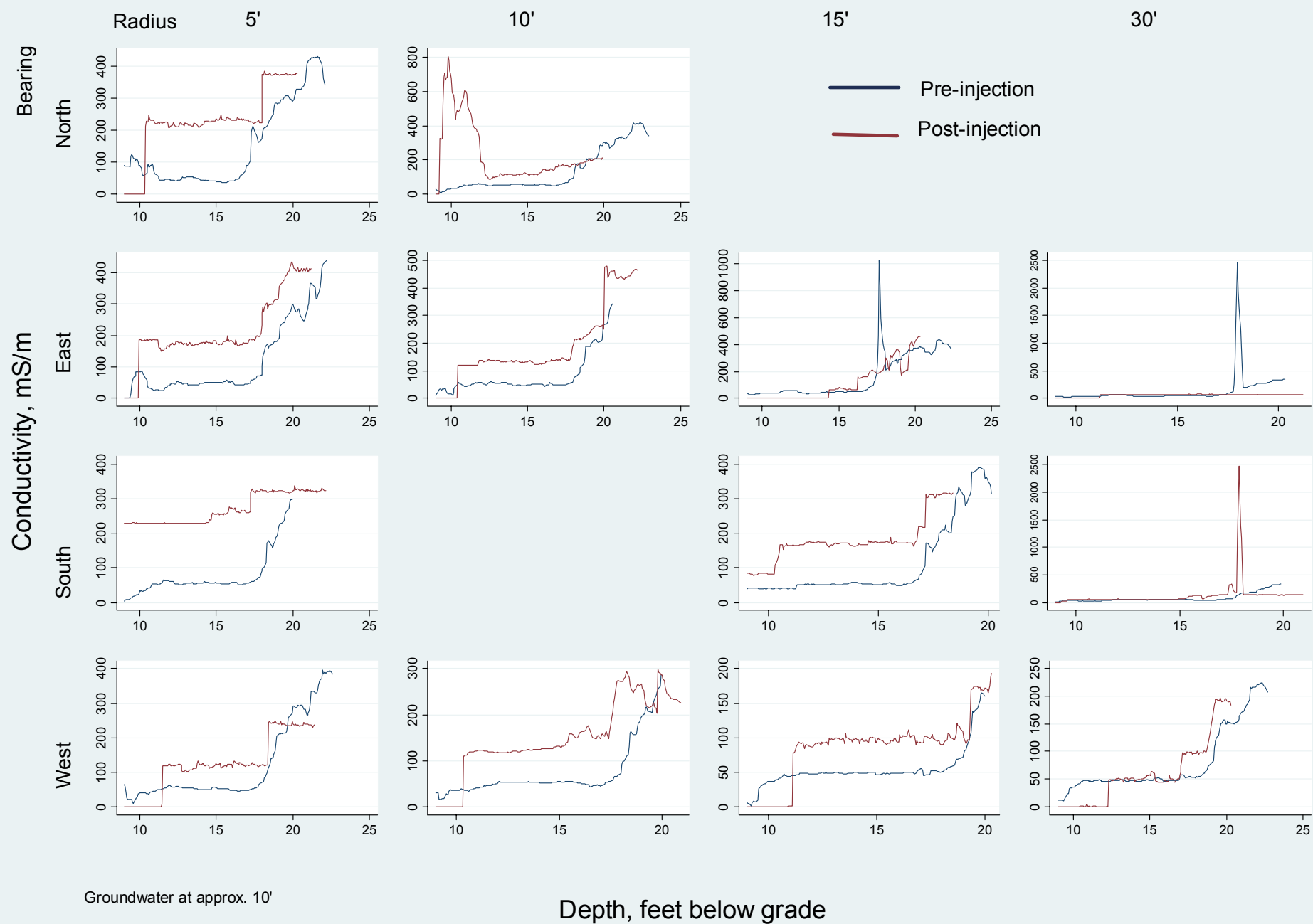
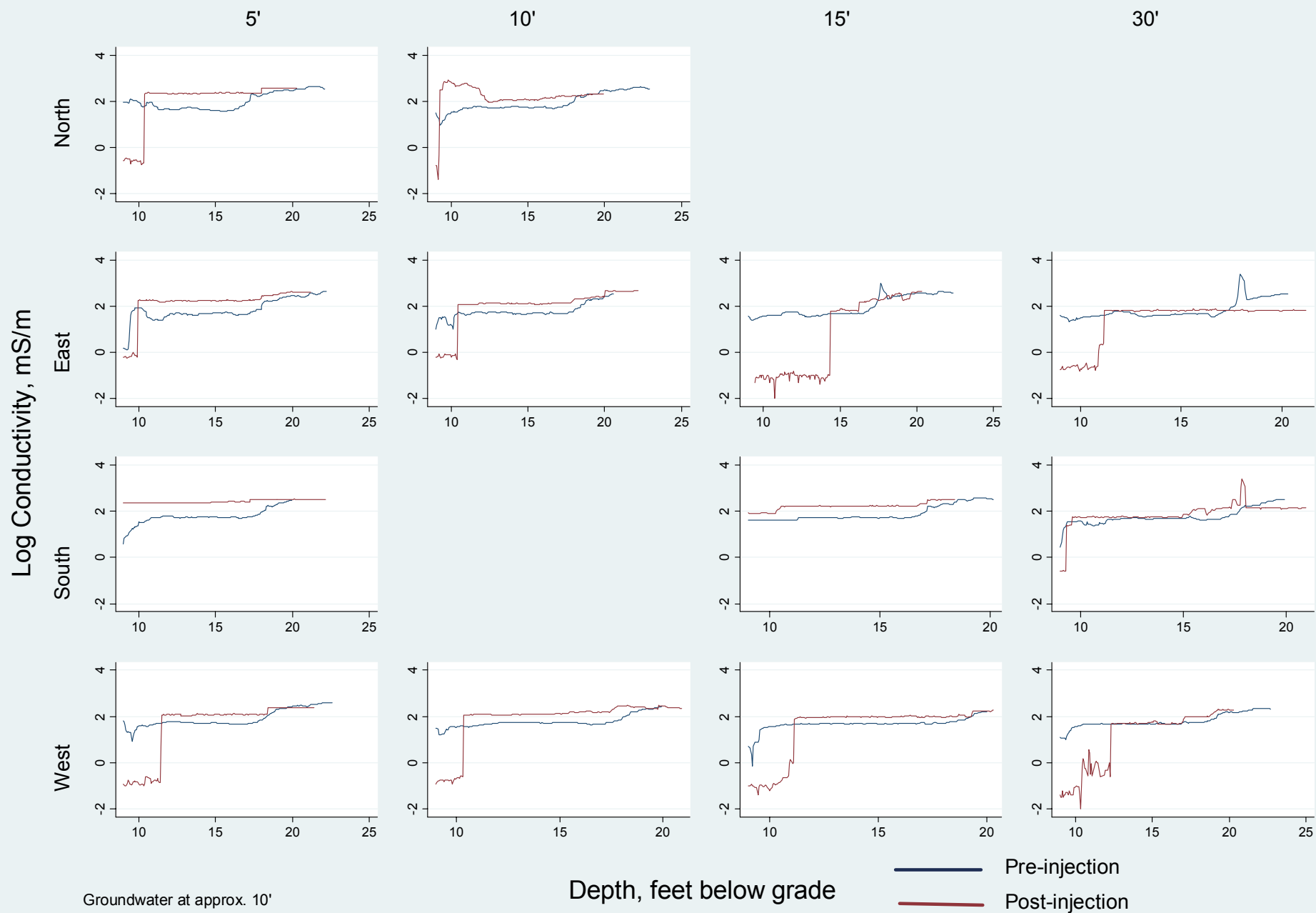
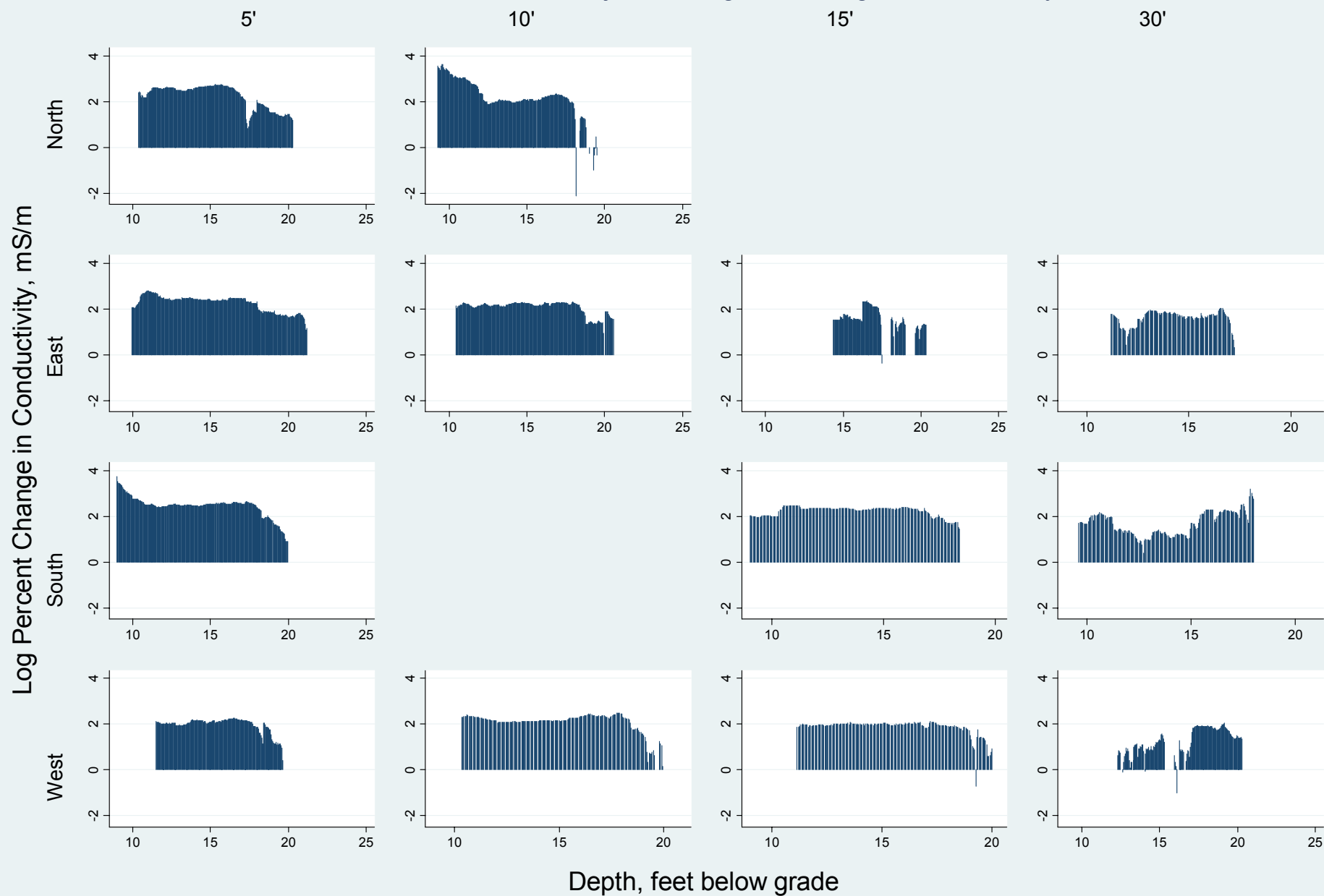


Fig 5.2

IW-19 Conventional Injection, Pre & Post Log Conductivity Measurements



IW-19 Conventional Injection, Log Pct. Change in Conductivity



Groundwater at approx. 10'

Fig 5.3

IW-19 Conventional Injection, Residual Conductivity

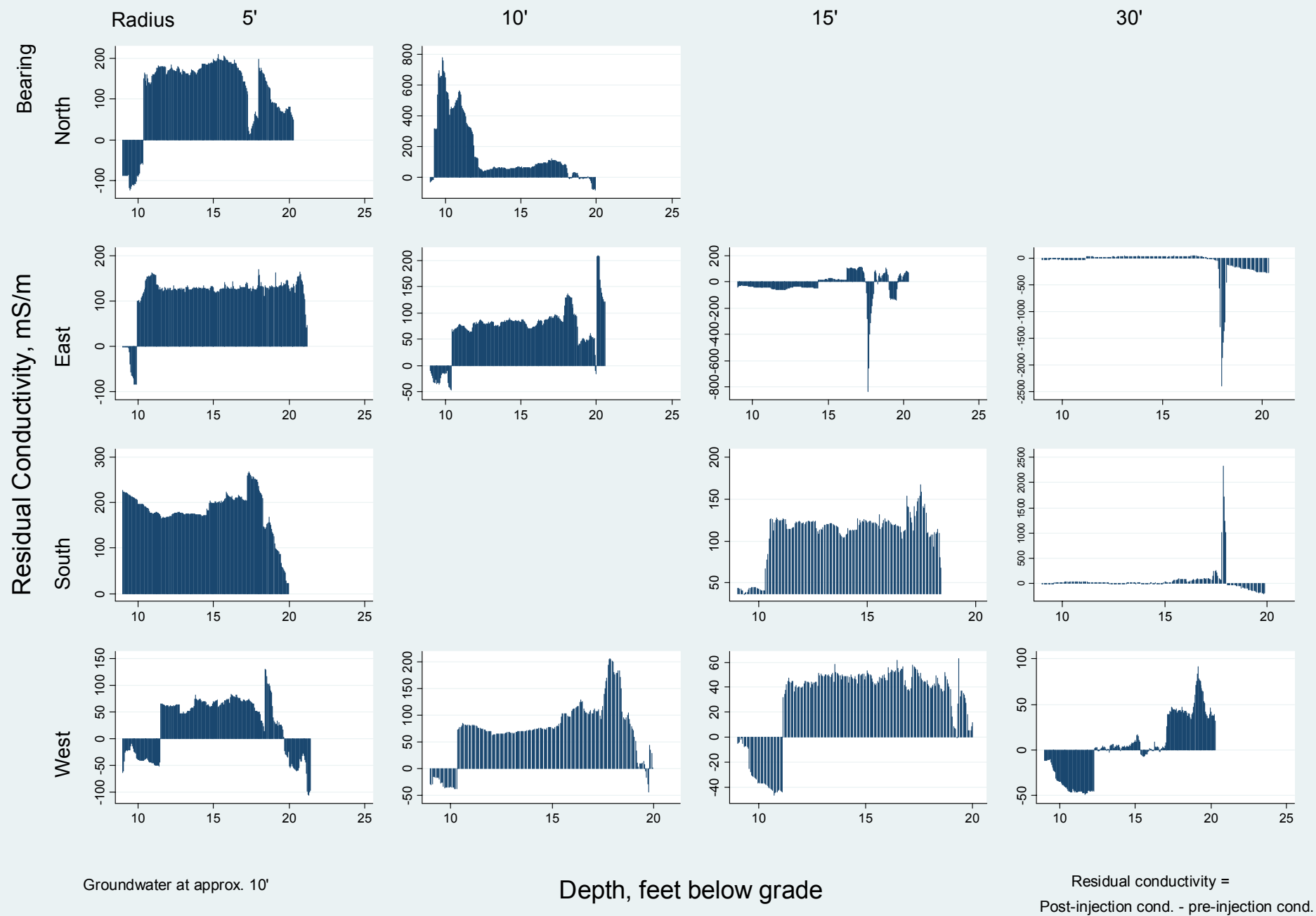


Fig 5.4

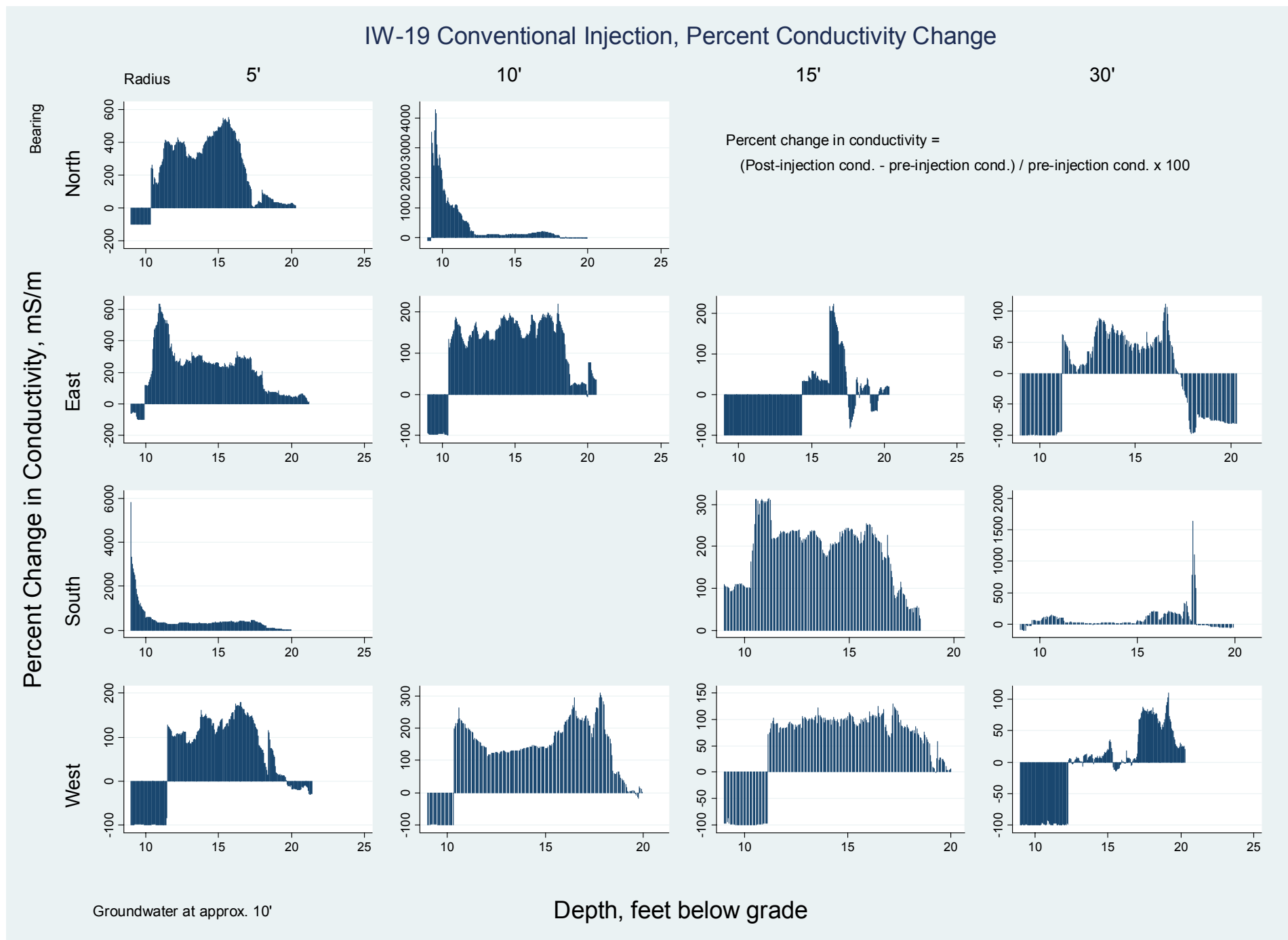
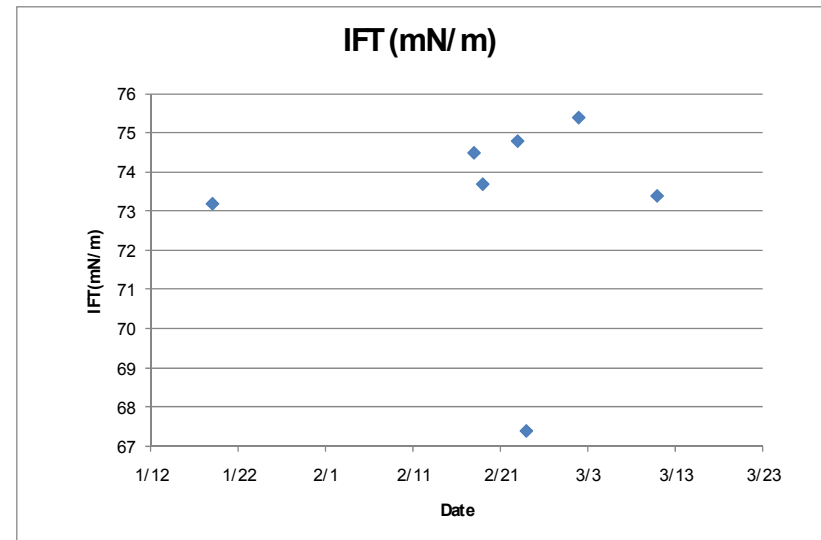
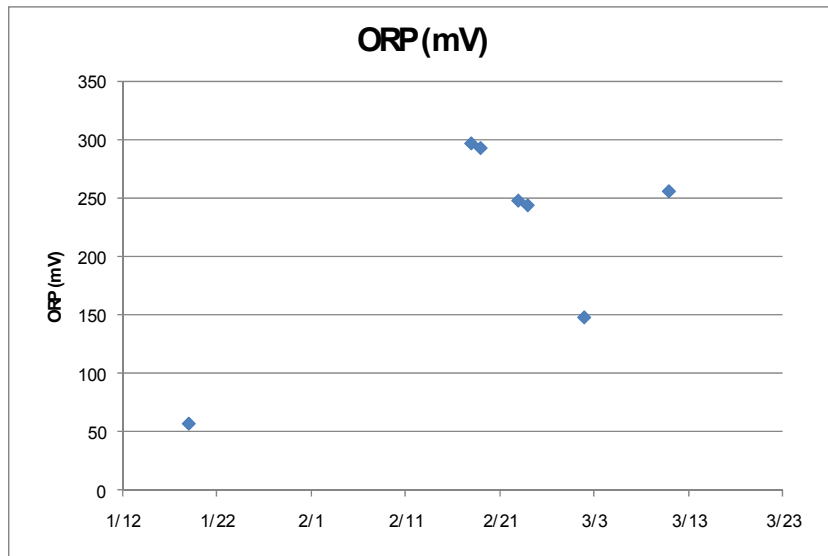
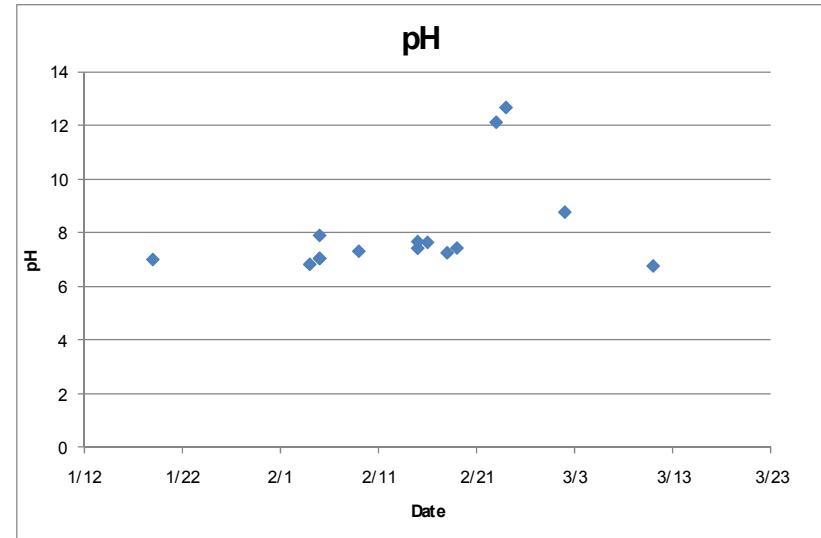
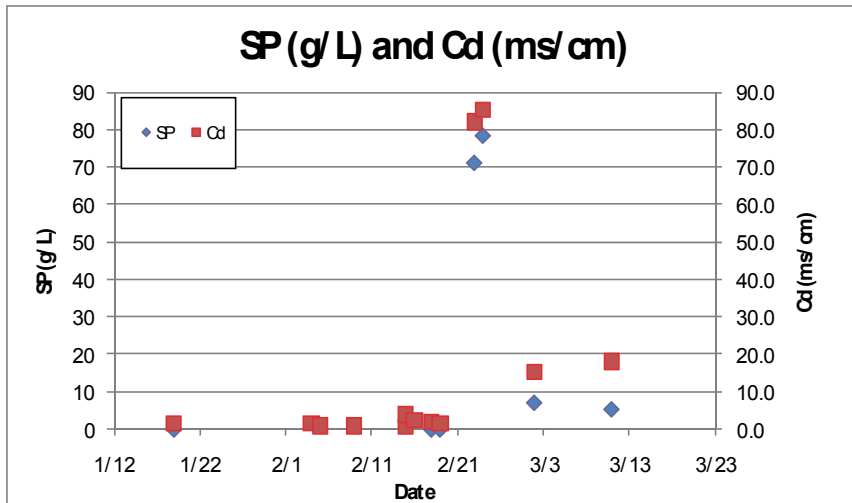
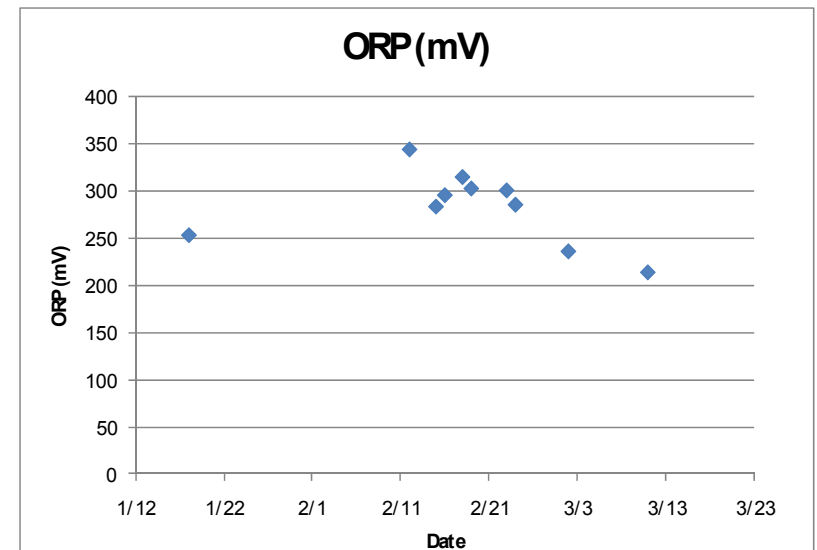
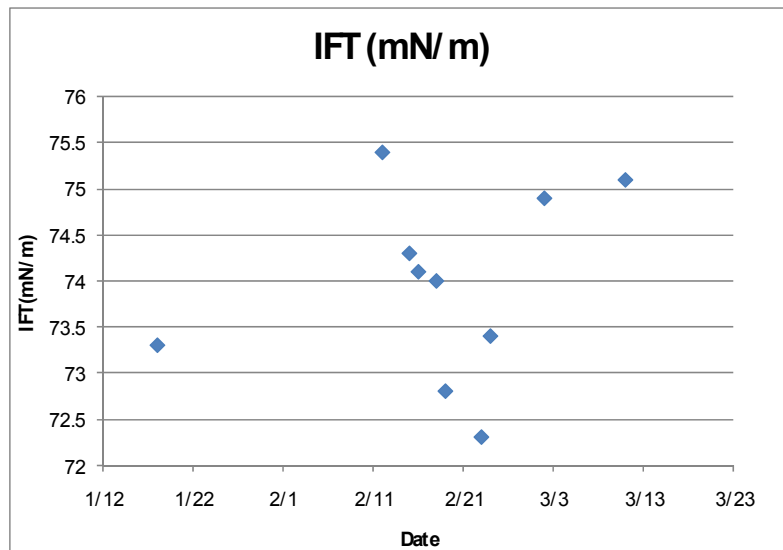
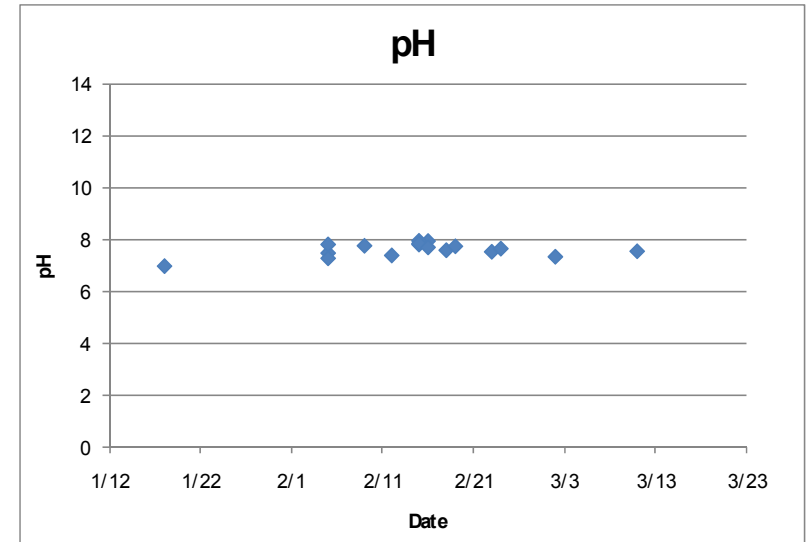
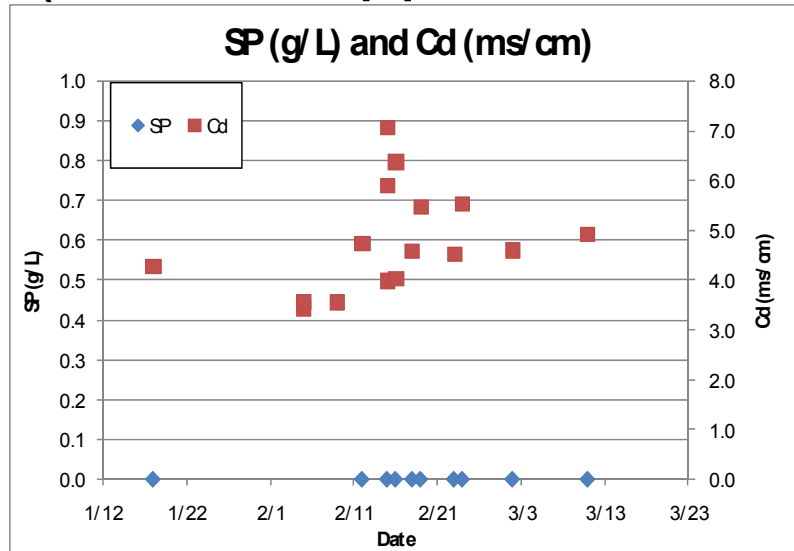


Figure 6 - Gridcell 11: MW-23 S (located immediately at IW-11)



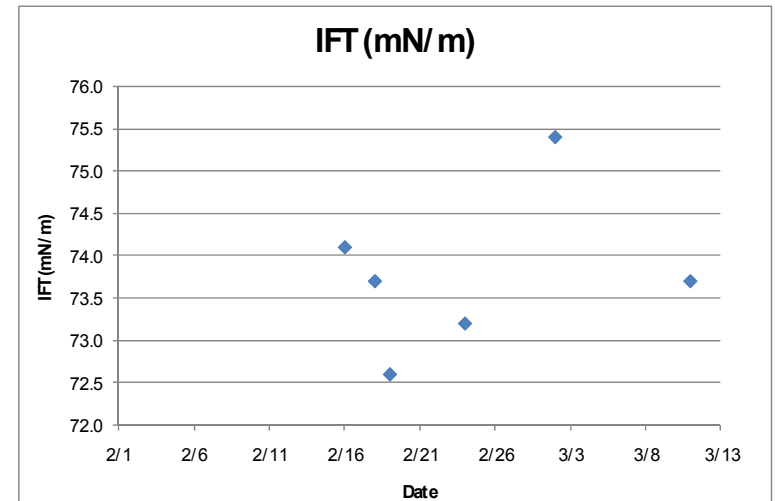
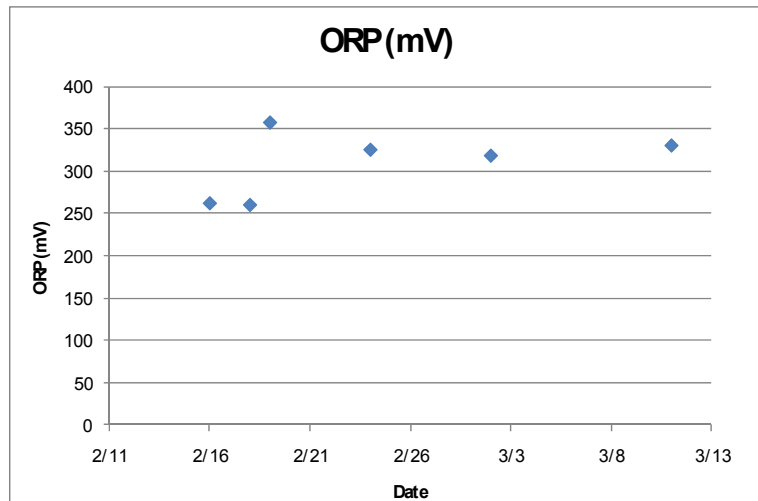
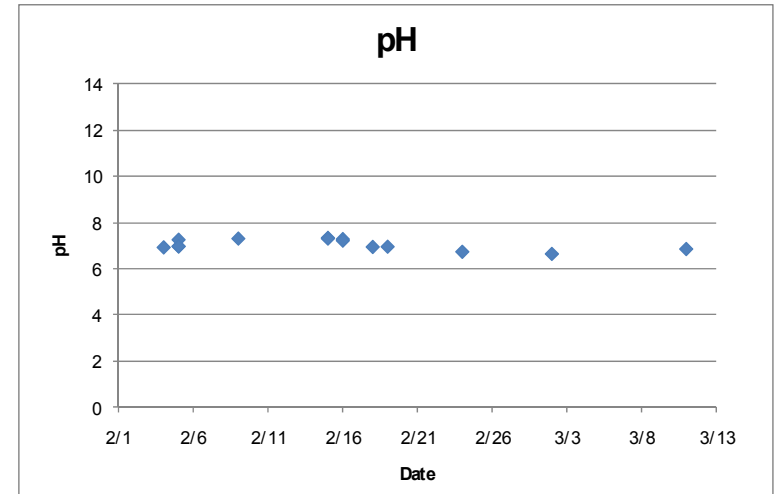
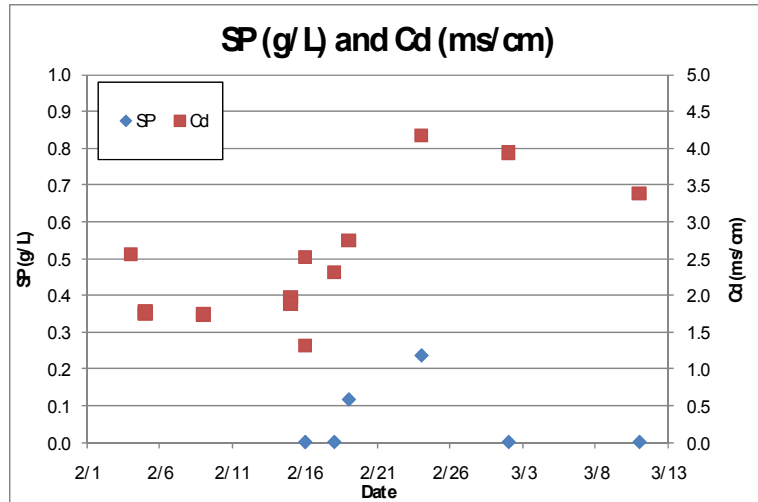
IW-11 Injection Period: 2/23- 2/24

Figure 8 - Gridcell 19: MW-22 D
(located approx. 10 ft down-gradient of IW-19)



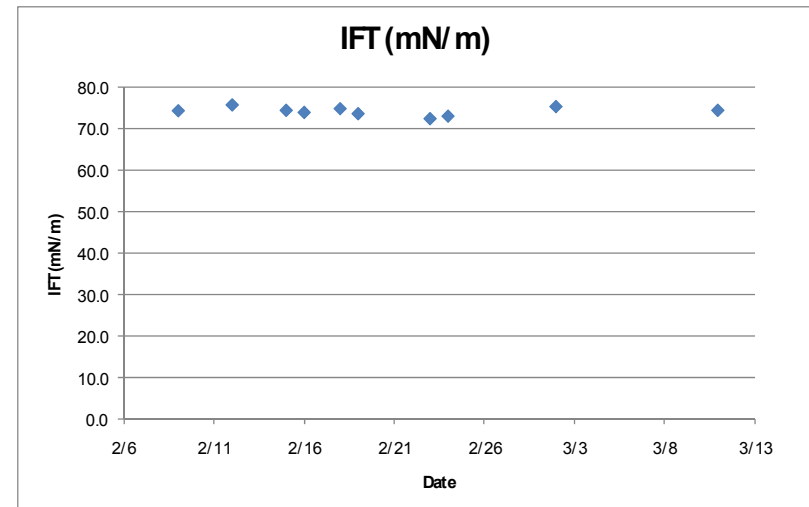
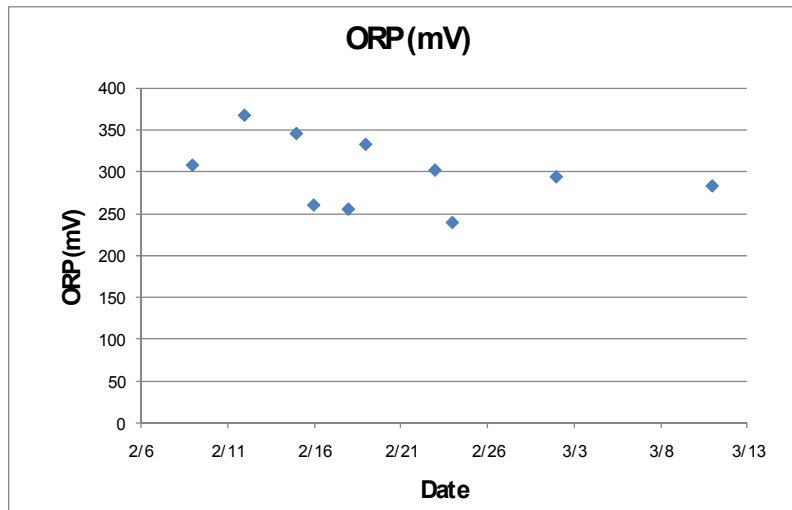
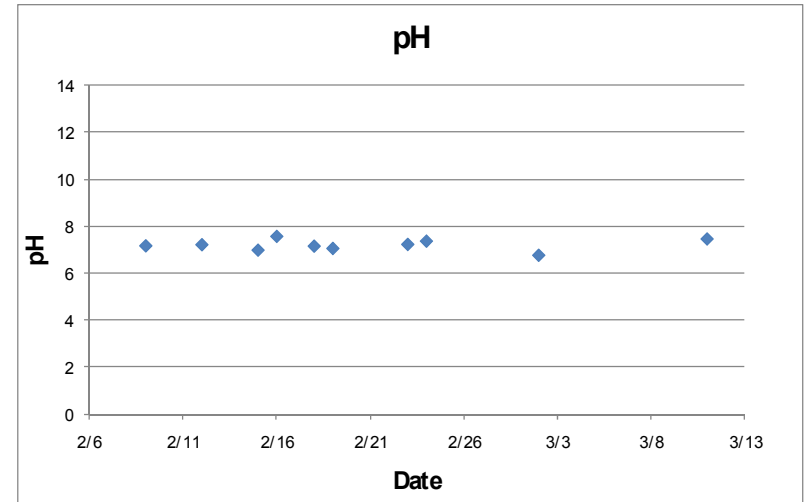
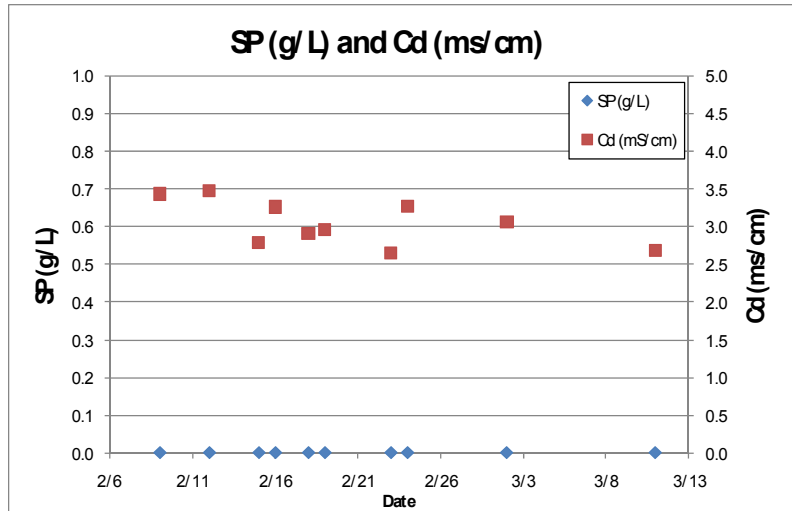
IW-19 Injection Period: 2/18 - 2/19

Figure 9 - Gridcell 19: MW-14 S (located approx. 20 ft down-gradient of IW-19)



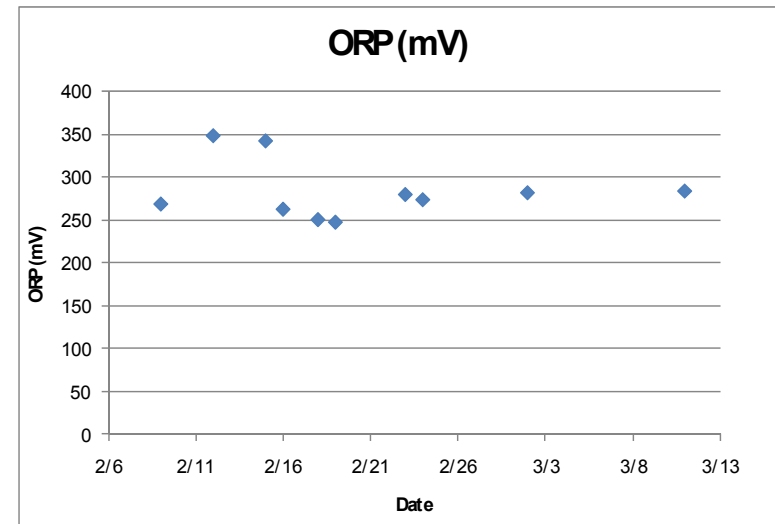
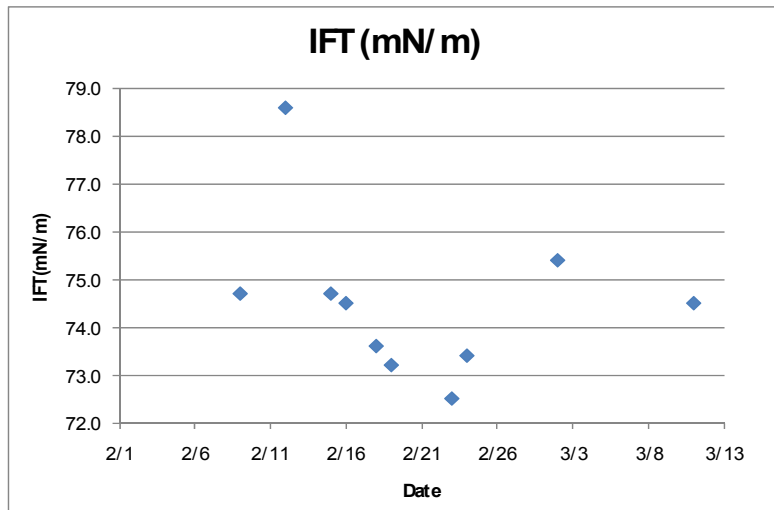
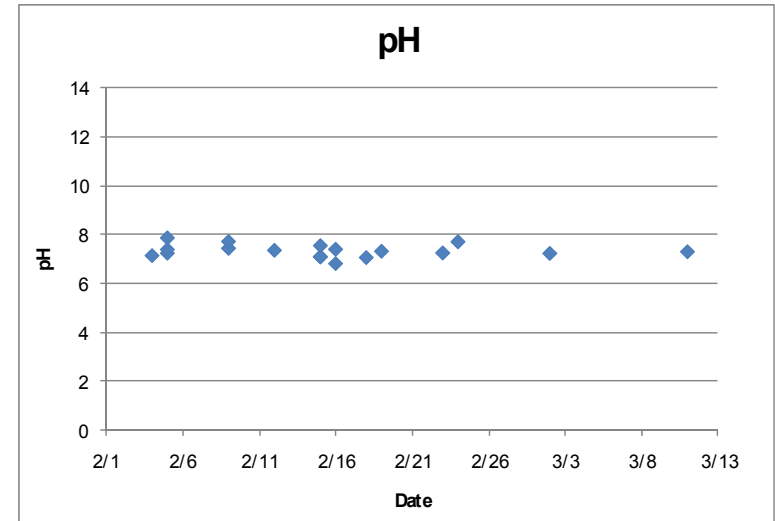
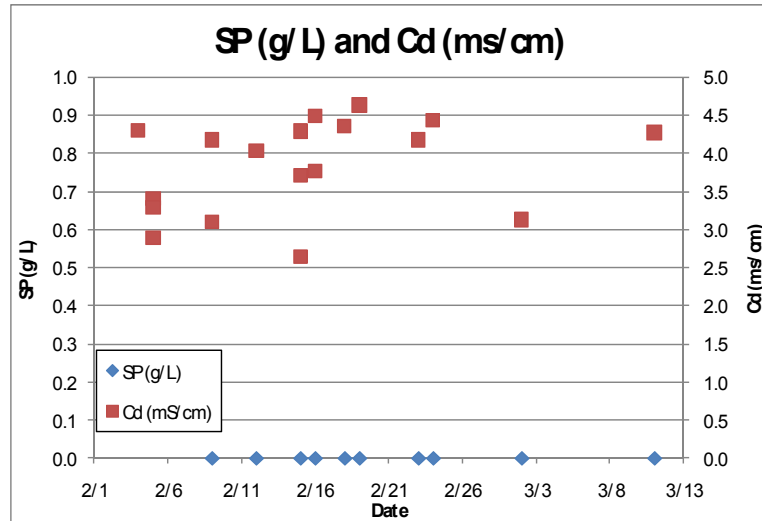
IW-19 Injection Period: 2/18 - 2/19

Figure 10 - Gridcell 24: MW-9 (located approx. 22 ft down-gradient of IW-24)



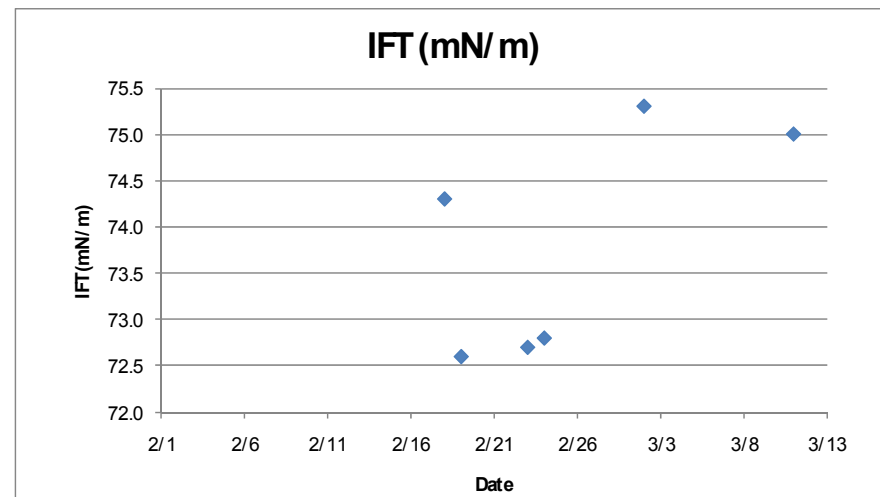
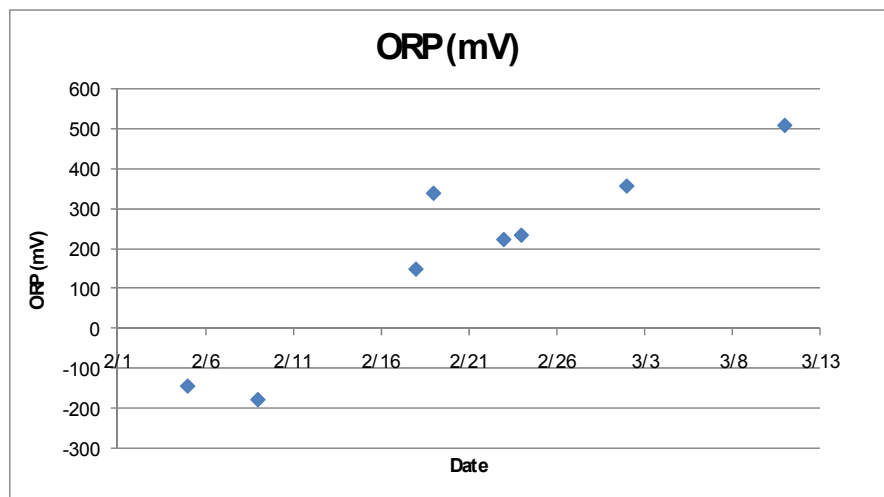
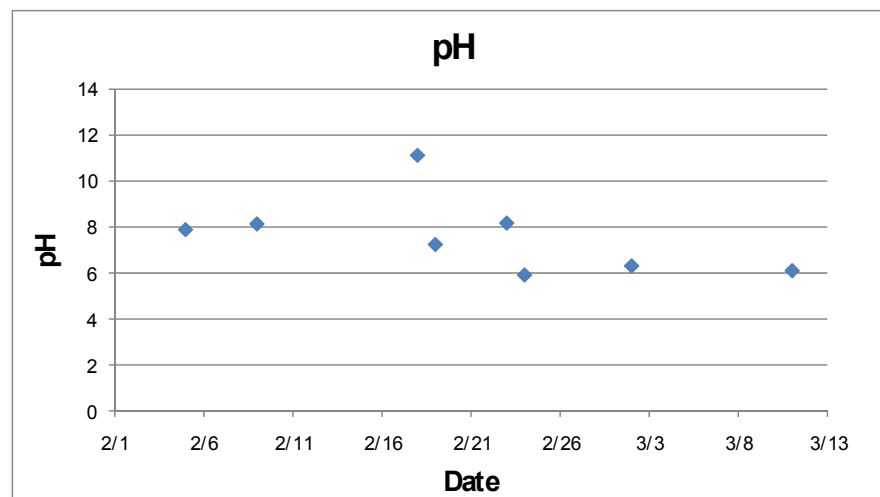
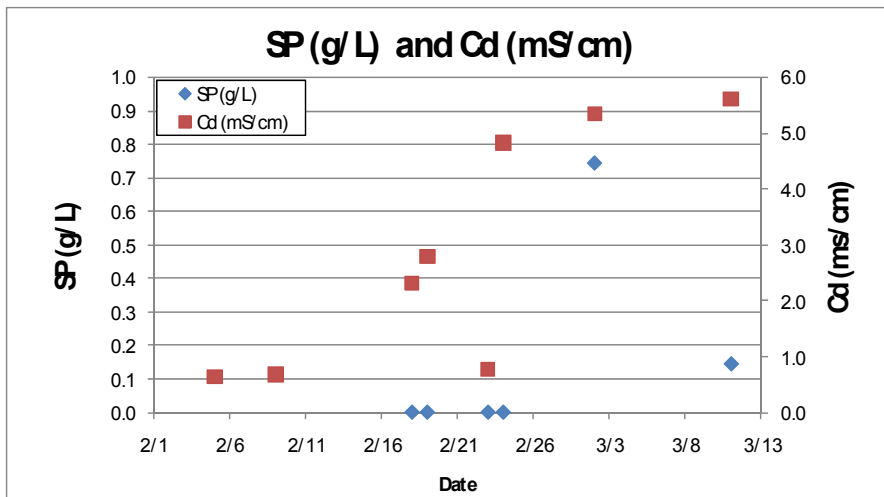
IW-24 Injection Period: 2/4-2/12, 2/18

Figure 11 - Gridcell 24: MW-16 (located approx. 12 ft down-gradient of IW-24)



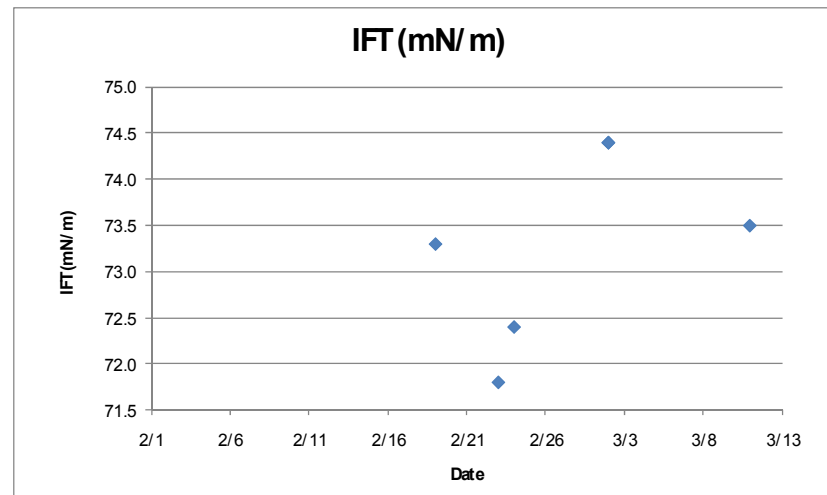
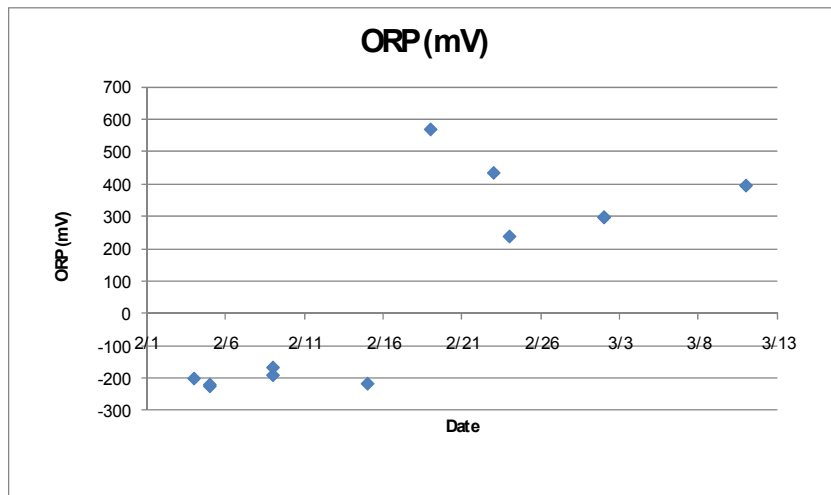
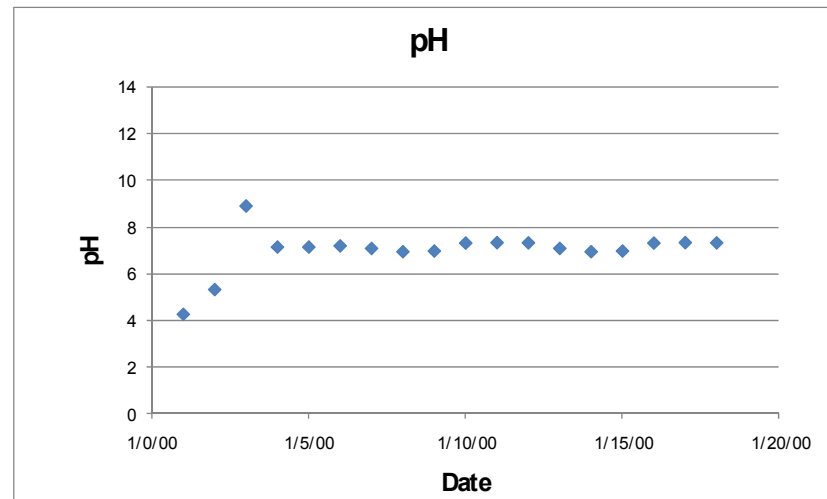
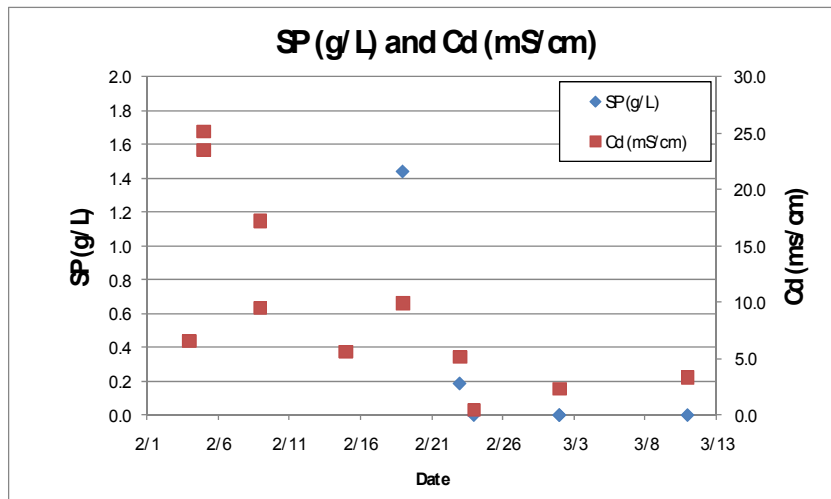
IW-24 Injection Period: 2/4-2/12, 2/18

Figure 12 - Outside Gridcell 27: MW-6S
(located approx. 67 ft up-gradient of IW-27)



IW-27 Injection Period: 2/15-2/17

Figure 13 - Outside Gridcell 27: MW-6D
(located approx. 67 ft up-gradient of IW-27)



IW-27 Injection Period: 2/15-2/17

Figure 14

Figure 24.1: COCs, Pre vs Post, 0 to 15 ft, Shallow

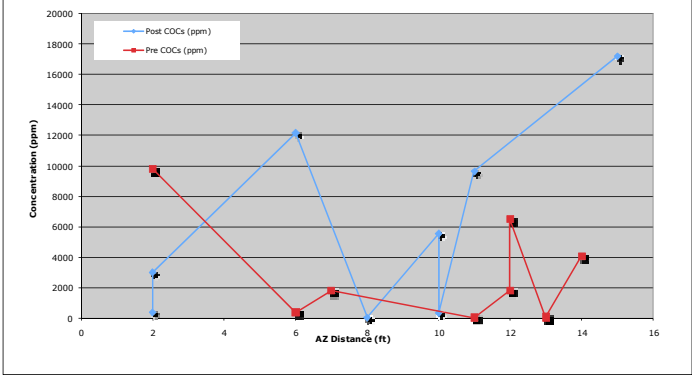


Figure 24.2: COCs, Pre vs Post, 0 to 15 ft, Deep

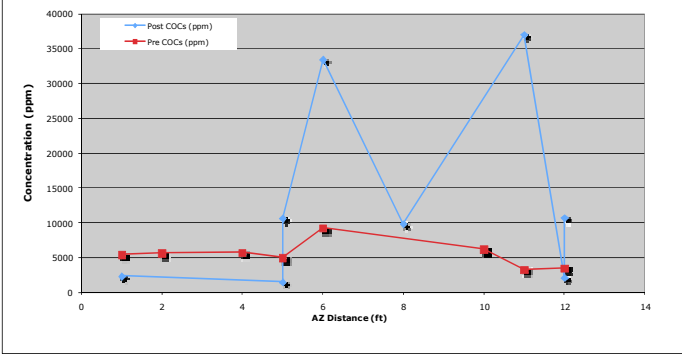


Figure 24.3: SVOCs, Pre vs Post, 0 to 15 ft, Shallow

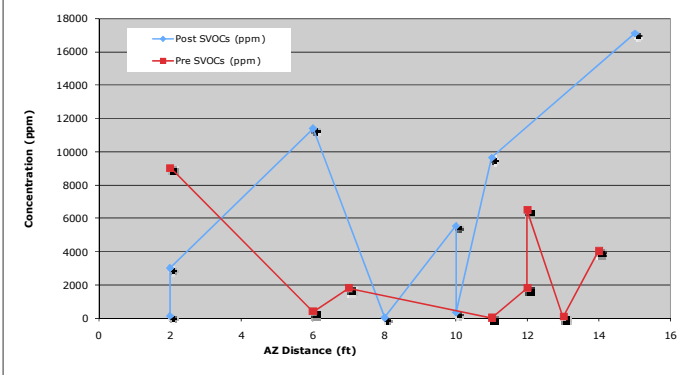


Figure 24.4: SVOCs, Pre vs Post, 0 to 15 ft, Deep

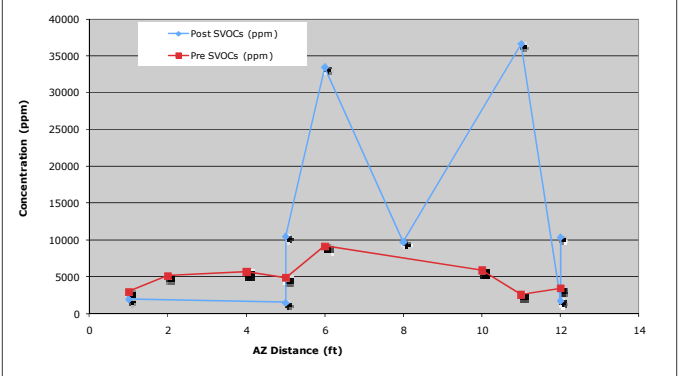


Figure 24.5: BTEX Pre vs Post, 0 to 15 ft, Shallow

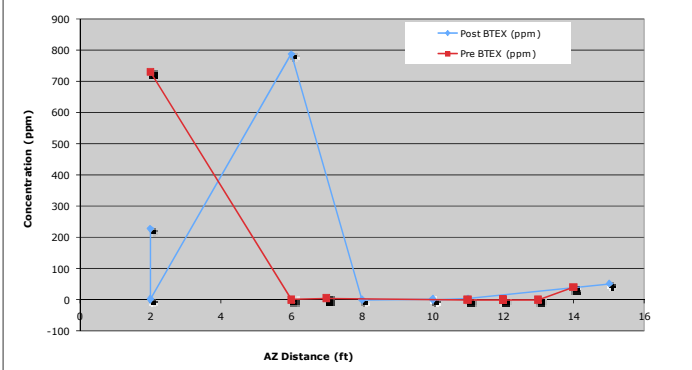


Figure 24.6: BTEX, Pre vs Post, 0 to 15 ft, Deep

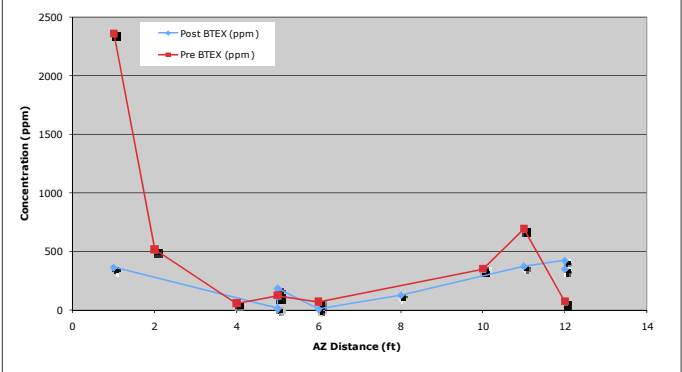


Figure 15

Figure 27.1: COCs, Pre vs Post, 0 to 15 ft, Shallow

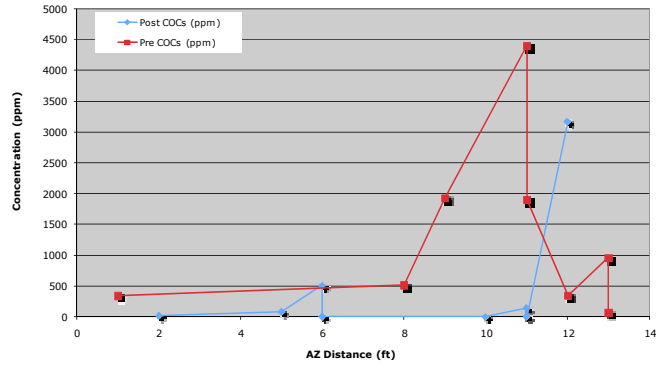


Figure 27.2: COCs, Pre vs Post, 0 to 15 ft, Deep

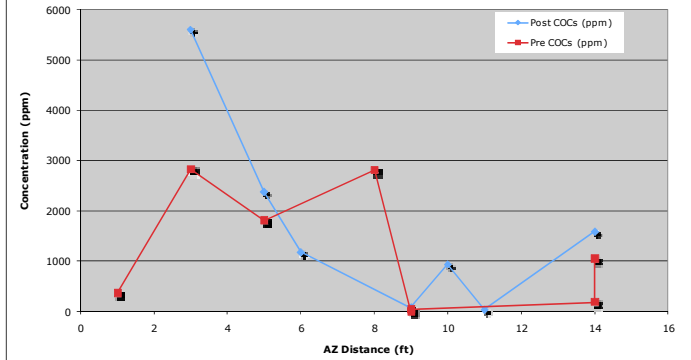


Figure 27.4: SVOCs, Pre vs Post, 0 to 15 ft, Deep

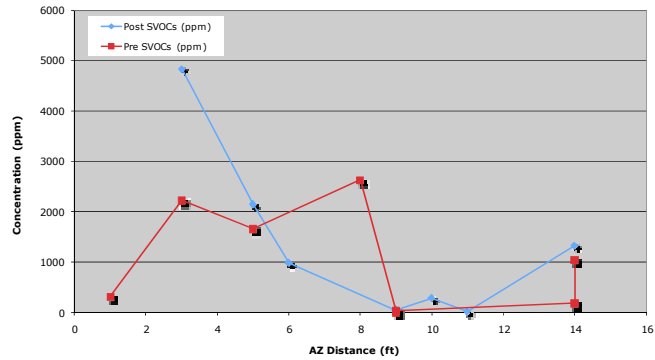


Figure 27.3: SVOCs, Pre vs Post, 0 to 15 ft, Shallow

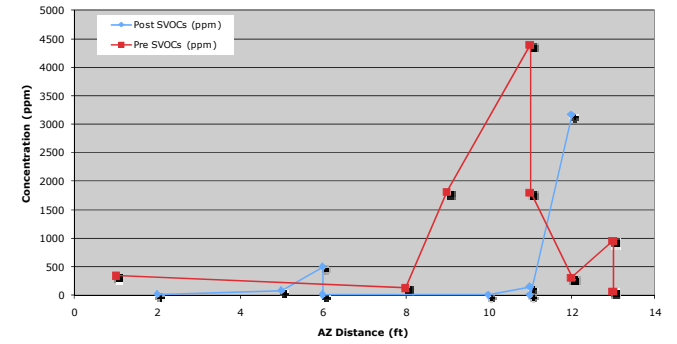


Figure 27.5: BTEX, Pre vs Post, 0 to 15 ft, Shallow

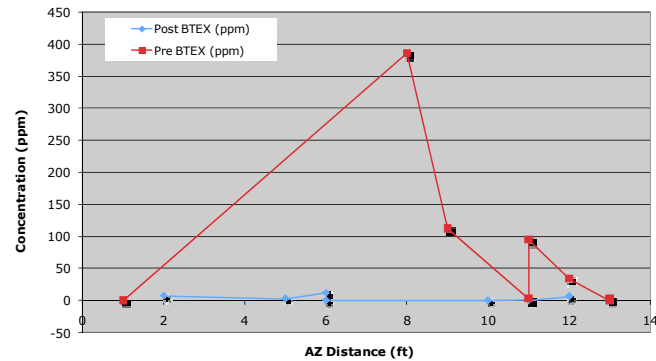


Figure 27.6: BTEX, Pre vs Post, 0 to 15 ft, Deep

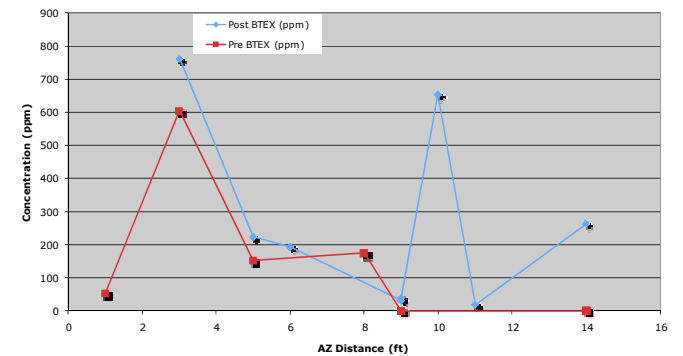


Figure 16

Figure 11.1: Total COCs, Pre vs Post, 0 to 15', Shallow

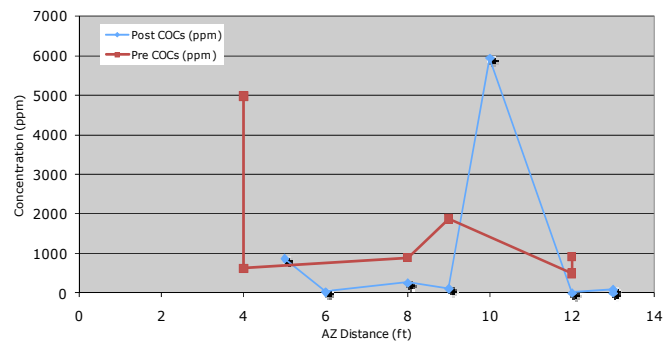


Figure 11.2: Total COCs, Pre vs Post, 0 to 15', Deep

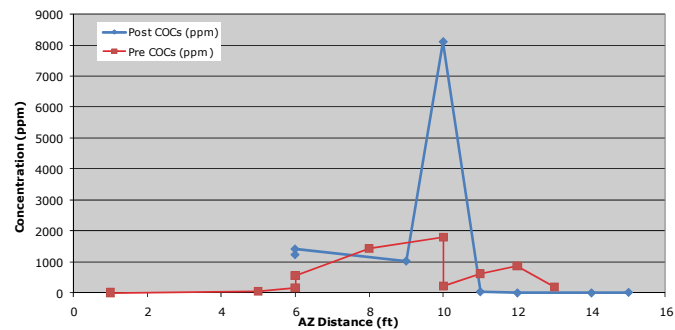


Figure 11.3: Total SVOCs, Pre vs Post, 0 to 15', Shallow

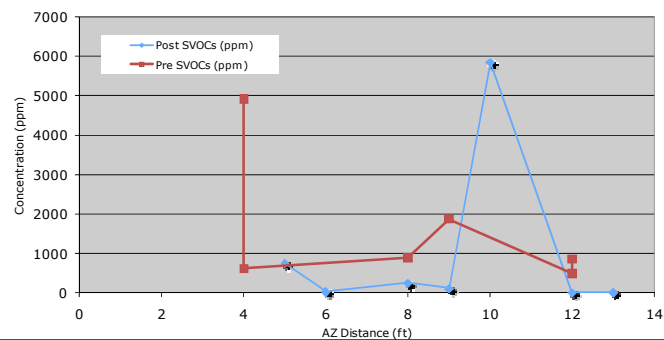


Figure 11.4: Total SVOCs, Pre vs Post, 0 to 15', Deep

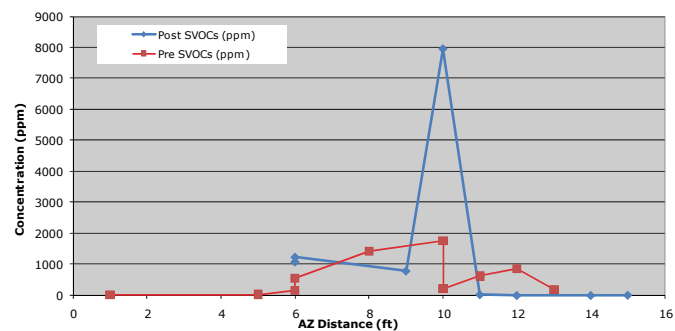


Figure 11.5: Total BTEX, Pre vs Post, 0 to 15', Shallow

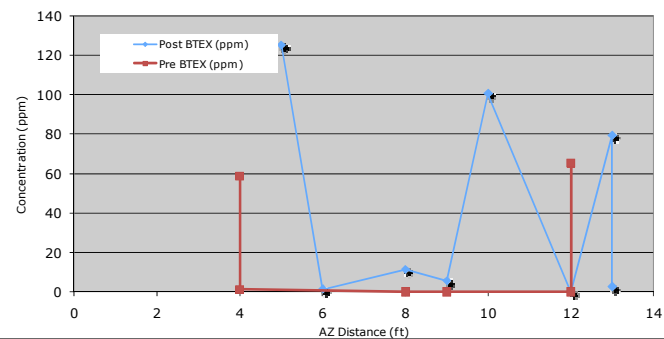


Figure 11.6: Total BTEX, Pre vs Post, 0 to 15', Deep

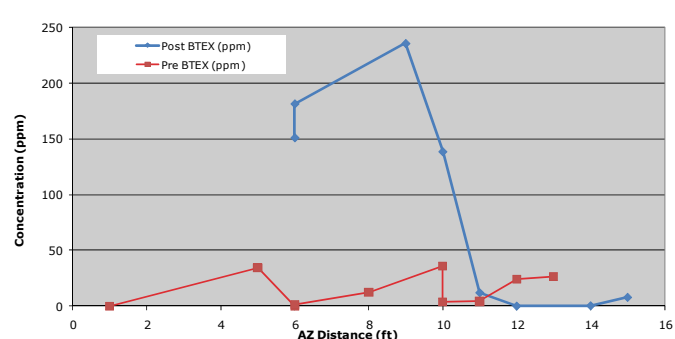


Figure 17

Figure 19.1: COCs, Pre vs Post, 0 to 15', Shallow

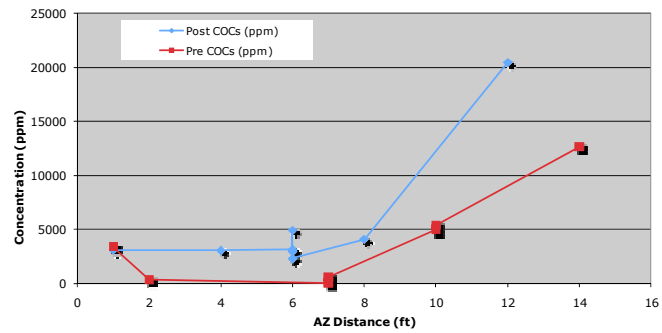


Figure 19.2: COCs, Pre vs Post, 0 to 15', Deep

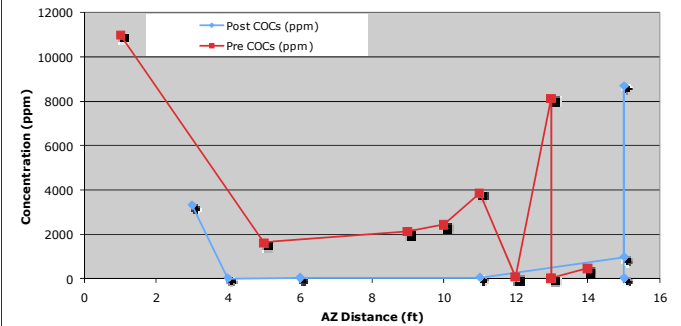


Figure 19.3: SVOCs, Pre vs Post, 0 to 15', Shallow

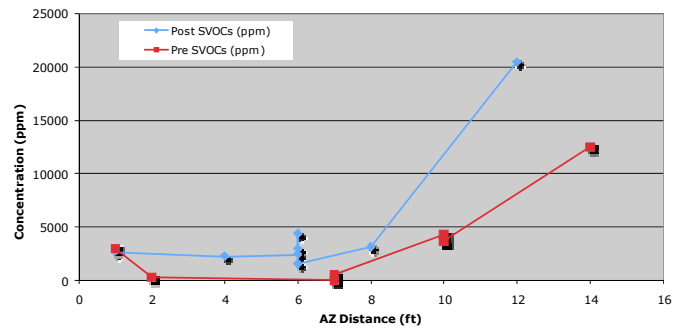


Figure 19.4: SVOCs, Pre vs Post, 0 to 15' ft, Deep

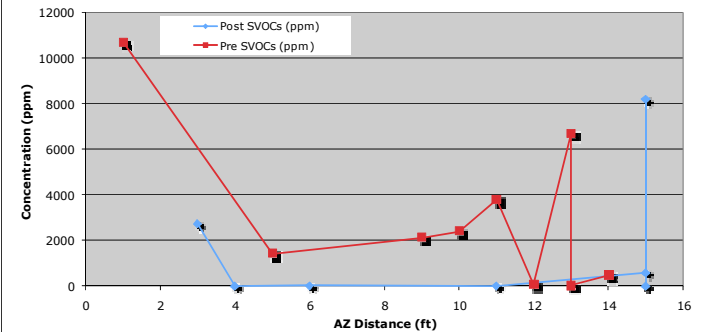


Figure 19.5: BTEX, Pre vs Post, 0 to 15', Shallow

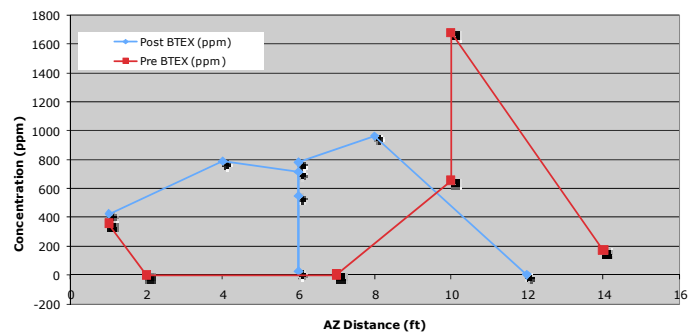
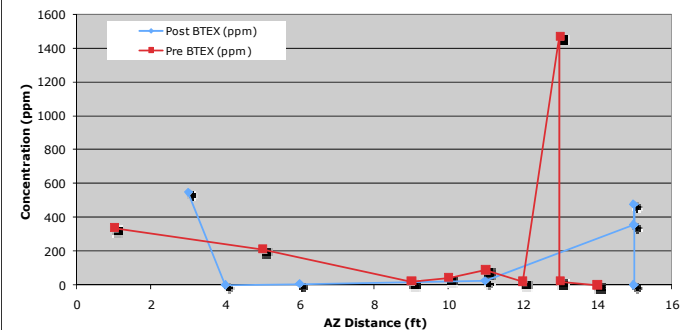


Figure 19.6: BTEX, Pre vs Post, 0 to 15' ft, Deep



Tables

Table 1

Well Injection - TOTAL INJECTION

[illegible]

Table 2
Soil Vapor Analytical Results-Pre-Injection
VOCs in Soil Vapor
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	NYSDOH Fuel Oil 2003		USEPA BASE	HEI 2005	ASTM 95th	ASTM Max	SV-EAST	SV-WEST
Lab Sample ID	Upper Fence Value	Indoor Air	90th Percentile	95th Percentile	95th Percentile Resident	Selected VOCs	JA40491-2	JA40491-1
Date Sampled	NYSDOH AGV	Indoor Air	Value Indoor Air	Indoor Air	Indoor Air	Indoor Air	2/23/2010	2/23/2010
VOCs (ug/m³)								
Acetone	--	--	--	--	--	--	257	5080
1,3-Butadiene	--	--	--	--	--	--	0.31 U	0.31 U
Benzene	--	13	9.4	10	13	12	2.7	4.8
Bromodichloromethane	--	--	--	--	--	--	0.74 U	0.74 U
Bromoform	--	--	--	--	--	--	0.91 U	0.91 U
Bromomethane	--	--	--	--	--	--	0.37 U	0.37 U
Bromoethene	--	--	--	--	--	--	0.32 U	0.32 U
Benzyl Chloride	--	--	--	--	--	--	0.67 U	0.67 U
Carbon disulfide	--	--	--	--	--	--	0.40 U	0.40 U
Chlorobenzene	--	0.4	<0.9	--	--	--	0.46 U	0.46 U
Chloroethane	--	0.4	<1.1	--	--	--	0.42 U	0.42 U
Chloroform	--	--	--	--	--	--	0.54 U	3.8 J
Chloromethane	--	4.2	3.7	--	--	--	0.39 U	0.39 U
3-Chloropropene	--	--	--	--	--	--	0.38 U	0.38 U
2-Chlorotoluene	--	--	--	--	--	--	0.45 U	0.45 U
Carbon tetrachloride	--	1.3	<1.3	1.1	--	--	0.55 U	0.55 U
Cyclohexane	--	--	--	--	--	--	0.83 U	19
1,1-Dichloroethane	--	0.4	<0.7	--	--	--	0.53 U	0.53 U
1,1-Dichloroethylene	--	0.4	<1.4	--	--	--	0.71 U	0.71 U
1,2-Dibromoethane	--	--	--	--	--	--	0.63 U	0.63 U
1,2-Dichloroethane	--	0.4	<0.9	--	--	--	0.57 U	0.57 U
1,2-Dichloropropane	--	0.4	<1.6	--	--	--	0.51 U	0.51 U
1,4-Dioxane	--	--	--	--	--	--	0.90 U	0.90 U
Dichlorodifluoromethane	--	--	--	--	--	--	2.0 J	0.47 U
Dibromochloromethane	--	--	--	--	--	--	1.2 U	1.2 U
trans-1,2-Dichloroethylene	--	--	--	--	--	--	0.56 U	0.56 U
cis-1,2-Dichloroethylene	--	0.4	<1.9	--	--	--	0.44 U	0.44 U
cis-1,3-Dichloropropene	--	--	--	--	--	--	0.35 U	0.35 U
m-Dichlorobenzene	--	0.5	<2.4	--	--	--	0.78 U	0.78 U
o-Dichlorobenzene	--	0.5	<1.2	--	--	--	0.90 U	0.90 U
p-Dichlorobenzene	--	--	--	--	--	--	0.78 U	0.78 U
trans-1,3-Dichloropropene	--	--	--	--	--	--	0.29 U	0.29 U
Ethanol	--	--	--	--	--	--	37.3	149
Ethylbenzene	--	6.4	5.7	7.62	13.1	11	8.3	11
Ethyl Acetate	--	--	--	--	--	--	0.76 U	0.76 U
4-Ethyltoluene	--	--	--	--	--	--	3.2 J	4.3
Freon 113	--	--	--	--	--	--	0.67 U	0.67 U
Freon 114	--	--	--	--	--	--	0.62 U	0.62 U
Heptane	--	--	--	--	--	--	9.4	36
Hexachlorobutadiene	--	--	--	--	--	--	1.8 U	1.8 U
Hexane	--	--	--	--	--	--	0.27 U	25
2-Hexanone	--	--	--	--	--	--	0.49 U	27
Isopropyl Alcohol	--	--	--	--	--	--	0.34 U	280
Methylene chloride	60	16	10.0	7.5	--	--	0.35 U	0.35 U
Methyl ethyl ketone	--	--	--	--	--	--	14	185
Methyl Isobutyl Ketone	--	--	--	--	--	--	0.74 U	0.74 U
Methyl Tert Butyl Ether	--	14	11.5	36	NS	30	0.32 U	0.32 U
Propylene	--	--	--	--	--	--	16	107
Styrene	--	--	--	--	--	--	0.32 U	0.32 U
1,1,1-Trichloroethane	--	2.5	20.6	--	7.6-17	420	7.1	0.53 U
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	0.62 U	0.62 U
1,1,2-Trichloroethane	--	--	--	--	--	--	0.46 U	0.46 U
1,2,4-Trichlorobenzene	--	--	--	--	--	--	1.9 U	1.9 U
1,2,4-Trimethylbenzene	--	9.8	9.5	--	--	14	7.9	9.3
1,3,5-Trimethylbenzene	--	3.9	3.7	--	--	5.4	2.6 J	0.49 U
2,2,4-Trimethylpentane	--	--	--	--	--	--	0.38 U	0.38 U
Tertiary Butyl Alcohol	--	--	--	--	--	--	0.28 U	70.9
Tetrachloroethylene	100	2.5	15.9	6.01	4.9-6.8	26	7.5	5.6
Tetrahydrofuran	--	--	--	--	--	--	0.38 U	0.38 U
Toluene	--	57	43.0	39.8	29-49.1	151	29	55.0
Trichloroethylene	5	0.5	4.2	1.36	0.7-1.4	26	2.7	1.6
Trichlorofluoromethane	--	--	--	--	--	--	5.1	75.3
Vinyl chloride	--	0.4	<1.9	--	0.1	--	0.24 U	0.24 U
Vinyl Acetate	--	--	--	--	--	--	0.63 U	0.63 U
m,p-Xylene	--	11	22.2	22.2	22	43	33	43
o-Xylene	--	7.1	7.9	7.24	6.9	15	8.7	12
Xylenes (total)							42	54.7
Total VOCs							495.5	5852.6

Notes

-All values reported in micrograms per cubic meter (ug/m³)

-NYSDOH-referenced background levels are given in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006, and include:

-NYSDOH Fuel Oil 2003 Upper Fence Value and refers to the Upper Fence value provided in Table C1

-USEPA BASE 90th Percentile Value and refers to the 90th Percentile value provided in Table C2

-HEI 2005 95th Percentile Value and refers to the 95th Percentile value provided in Table C5

-ASTM-referenced background levels are given in the ASTM International (ASTM) Standard Practice for Assessment of Vapor Intrusion into Structures on Property Involved in Real Estate Transactions (ASTM E 2600-08) and include:

-ASTM 95th Percentile Residences and refers to the 95th Percentile value provided in Table X7.1 (except where noted)

-ASTM Max Selected VOCs and refers to the maximum values provided in Table X7.2

J² = 90th Percentile.

-Exceedances of the published background data are highlighted in yellow and bolded.

-Detected compounds are shown in bold; concentrations above the method detection limit are italicized.

-- = No established value or level.

J = Indicates an estimated value

Table 3
Soil Analytical Results - Pre-Injection
VOCs in Soils
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PI-24-1D	PI-24-1S		PI-24-2D		PI-24-2S		PI-24-3D		PI-24-3S		PI-24-4D		PI-24-4S		PI-24-5D		PI-24-5S		PI-24-6S		PI-24-7S		PI-24-8S		PI-24-6D		PI-24-7D		PI-24-8D		PI-27-1D		PI-27-1S		
Lab Sample ID	Objectives	JA37474-11	JA37474-1	JA37474-12	JA37474-2	JA37474-13	JA37474-4	JA37474-14	JA37474-5	JA37474-15	JA37474-6	JA37474-7	JA37474-8	JA37474-10	JA37789-1	JA37789-3	JA37789-2	JA37789-20	JA37789-7																		
Date Sampled	RUSCOs	1/12/2010	1/11/2010	1/12/2010	1/11/2010	1/12/2010	1/11/2010	1/12/2010	1/11/2010	1/12/2010	1/11/2010	1/12/2010	1/11/2010	1/12/2010	1/13/2010	1/13/2010	1/13/2010	1/15/2010	1/14/2010																		
VOCs (µg/kg)																																					
Acetone	500,000	1500	U	2.8	U	3200	U	2800	U	3200	U	310	U	7700	U	2900	U	1600	U	6.1	J	190	U	14.4		3.2	U	1400	U	2700	U	1700	U	4000	U	2900	U
Benzene	44,000	230	U	0.43	U	2250		420	U	500	U	82.9	J	398000		93000		250	U	0.41	U	420		6.0		1.8		3360		12900		260	U	808	J	2740	
Bromodichloromethane	NS	180	U	0.32	U	370	U	320	U	370	U	35	U	890	U	340	U	190	U	0.31	U	22	U	0.35	U	0.36	U	160	U	310	U	200	U	460	U	330	U
Bromoform	NS	100	U	0.19	U	220	U	190	U	220	U	21	U	520	U	200	U	110	U	0.18	U	13	U	0.20	U	0.21	U	95	U	180	U	110	U	270	U	190	U
Bromomethane	NS	280	U	0.51	U	580	U	500	U	590	U	56	U	1400	U	530	U	290	U	0.49	U	34	U	0.54	U	0.57	U	260	U	490	U	310	U	720	U	520	U
2-Butanone (MEK)	500,000	1400	U	2.5	U	2800	U	2500	U	2900	U	270	U	6800	U	2600	U	1400	U	2.4	U	170	U	2.7	U	2.8	U	1200	U	2400	U	1500	U	3500	U	2500	U
Carbon disulfide	NS	210	U	0.38	U	440	U	380	U	440	U	42	U	1100	U	400	U	220	U	0.66	J	26	U	2.0	J	0.66	J	190	U	370	U	230	U	550	U	390	U
Carbon tetrachloride	22,000	380	U	0.70	U	800	U	690	U	810	U	76	U	1900	U	730	U	400	U	0.67	U	47	U	0.75	U	0.79	U	350	U	670	U	420	U	990	U	720	U
Chlorobenzene	500,000	230	U	0.43	U	490	U	420	U	490	U	47	U	1200	U	450	U	250	U	0.41	U	29	U	0.46	U	0.48	U	210	U	410	U	260	U	610	U	440	U
Chloroethane	NS	690	U	1.3	U	1400	U	1200	U	1500	U	140	U	3500	U	1300	U	730	U	1.2	U	85	U	1.3	U	1.4	U	630	U	1200	U	760	U	1800	U	1300	U
Chloroform	350,000	220	U	0.40	U	460	U	400	U	460	U	44	U	1100	U	420	U	230	U	0.38	U	27	U	0.43	U	0.45	U	200	U	390	U	240	U	570	U	410	U
Chloromethane	NS	110	U	0.21	U	240	U	210	U	240	U	23	U	570	U	220	U	120	U	0.20	U	14	U	0.22	U	0.23	U	100	U	200	U	130	U	300	U	210	U
Dibromochloromethane	NS	76	U	0.14	U	160	U	140	U	160	U	15	U	380	U	140	U	80	U	0.13	U	9.3	U	0.15	U	0.16	U	70	U	130	U	84	U	200	U	140	U
1,1-Dichloroethane	240,000	95	U	0.17	U	200	U	170	U	200	U	19	U	480	U	180	U	100	U	0.17	U	12	U	0.19	U	0.20	U	87	U	170	U	110	U	250	U	180	U
1,2-Dichloroethane	30,000	240	U	0.43	U	490	U	430	U	500	U	47	U	1200	U	450	U	250	U	0.42	U	29	U	0.47	U	0.49	U	220	U	420	U	260	U	620	U	440	U
1,1-Dichloroethene	500,000	460	U	0.83	U	950	U	820	U	960	U	91	U	2300	U	870	U	480	U	0.80	U	56	U	0.89	U	0.94	U	420	U	800	U	500	U	1200	U	850	U
cis-1,2-Dichloroethene	500,000	160	U	0.30	U	340	U	300	U	350	U	33	U	830	U	310	U	170	U	0.29	U	20	U	0.32	U	0.34	U	150	U	290	U	180	U	430	U	310	U
trans-1,2-Dichloroethene	500,000	310	U	0.56	U	640	U	560	U	650	U	62	U	1600	U	590	U	330	U	0.54	U	38	U	0.61	U	0.64	U	280	U	550	U	340	U	800	U	580	U
1,2-Dichloroethene (total)	NS	160	U	0.30	U	340	U	300	U	350	U	33	U	830	U	310	U	170	U	0.29	U	20	U	0.32	U	0.34	U	150	U	290	U	180	U	430	U	310	U
1,2-Dichloropropane	NS	89	U	0.16	U	190	U	160	U	190	U	18	U	450	U	170	U	95	U	0.16	U	11	U	0.18	U	0.18	U	82	U	160	U	99	U	230	U	170	U
cis-1,3-Dichloropropene	NS	91	U	0.17	U	190	U	170	U	190	U	18	U	460	U	180	U	97	U	0.16	U	11	U	0.18	U	0.19	U	84	U	160	U	100	U	240	U	170	U
trans-1,3-Dichloropropene	NS	66	U	0.12	U	140	U	120	U	140	U	13	U	330	U	130	U	70	U	0.12	U	8.2	U	0.13	U	0.14	U	61	U	120	U	73	U	170	U	120	U
Ethylbenzene	390,000	57400		0.47	U	93200		12100		11500		89.3	J	106000		47000		20600		0.51	J	230		2.1		4.1		22900		3980		92800		19900		36100	
2-Hexanone	NS	660	U	1.2	U	1400	U	1200	U	1400	U	130	U	3300	U	1300	U	700	U	1.2	U	82	U	1.3	U	1.4	U	610	U	1200	U	730	U	1700	U	1200	U
Methyl Tert Butyl Ether	500,000	190	U	0.35	U	400	U	350	U	410	U	39	U	980	U	370	U	210	U	0.42	J	24	U	0.38	U	0.40	U	180	U	340	U	210	U	510	U	360	U
4-Methyl-2-pentanone(MIBK)	NS	560	U	1.0	U	1200	U	1000	U	1200	U	110	U	2800	U	1100	U	590	U	0.98	U	69	U	1.1	U	1.1	U	510	U	990	U	620	U	1500	U	1000	U
Methylene chloride	500,000	150	U	0.28	U	320	U	280	U	320	U	31	U	770	U	290	U	160	U	0.27	U	19	U	0.30	U	0.32	U	140	U	270	U	170	U	400	U	290	U
Styrene	NS	74	U	0.13	U	150	U	130	U	160	U	15	U	117000		40300		78	U	0.13	U	315	J	0.73	J	0.15	U	68	U	4670	J	81	U	190	U	140	U
1,1,2,2-Tetrachloroethane	NS	200	U	0.37	U	420	U	360	U	430	U	40	U	1000	U	390	U	210	U	0.35	U	25	U	0.40	U	0.41	U	190	U	360	U	220	U	530	U	380	U
Tetrachloroethene	150,000	100	U	2.9	J	210	U	180	U	210	U	20	U	500	U	190	U	110	U	0.18	U	12	U	0.20	U	0.44	J	92	U	180	U	110	U	260	U	190	U
Toluene	500,000	48000		0.37	U	161000		1460		895	J	230		762000		186000		718	J	0.41	J	1150		7.4		4.2		12800		19200		2090		33000		6710	
1,1,1-Trichloroethane	500,000	88	U	0.16	U	180	U	160	U	190	U	18	U	440	U	170	U	93	U	0.15	U	11	U	0.17	U	0.18	U	81	U	160	U	97	U	230	U	170	U
1,1,2-Trichloroethane	NS	130	U	0.23	U	270	U	230	U	270	U	25	U	640	U	240	U	130	U	0.22	U	16	U	0.25	U	0.26	U	120	U	220	U	140	U	330	U	240	U
Trichloroethene	200,000	360	U	0.66	U	750	U	650	U	770	U	72	U	1800	U	690	U	380	U	0.64	U	45	U	0.71	U	0.74	U	330	U	640	U	400	U	940	U	680	U
Vinyl chloride	13,0																																				

Notes:
Commerical RUSCOs refer to the 6 New York State Code of Rules and Regulations
(NYCRR) Table 375-6.8(b) Restricted Use Soil
Cleanup Objectives (RUSCOs) for Commercial Facilities;
VOCs - Volatile organic compounds
Values above RUSCOs in **BOLD**
µg/kg - micrograms per kilogram
NS - No standard
U - Below detection limit
J - Estimated value detected above qualitative method detection limit (MDL) &
below the quantitative reporting detection limit (RDL).

Table 3
Soil Analytical Results - Pre-Injection
VOCs in Soils
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PI-24-1D	PI-27-2D	PI-27-2S	PI-27-3D	PI-27-3S	PI-27-4S	PI-27-5S	PI-27-6S	PI-27-7S	PI-27-8S	PI-11-2S	PI-11-3	PI-19-10S	PI-19-11S	PI-19-12S	PI-19-13S	PI-19-14S	PI-19-15S																		
Lab Sample ID	Objectives	JA37474-11	JA37789-22	JA37789-8	JA37789-23	JA37789-10	JA37789-12	JA37789-14	JA37789-15	JA37789-16	JA37789-18	JA38084-32	JA38084-34	JA38084-21	JA38084-23	JA38084-25	JA38084-24	JA38084-20	JA38084-18																		
Date Sampled	RUSCOs	1/12/2010	1/15/2010	1/14/2010	1/15/2010	1/14/2010	1/14/2010	1/14/2010	1/14/2010	1/15/2010	1/15/2010	1/20/2010	1/20/2010	1/20/2010	1/20/2010	1/19/2010	1/20/2010	1/20/2010	1/18/2010																		
VOCs (µg/kg)																																					
Acetone	500,000	1500	U	4500	U	2400	U	150	U	1400	U	1300	U	140	U	2.9	U	220	U	3700	U	40.7	U	160	U	1700	U	900	U	220	U	940	U	14000	U	200	U
Benzene	44,000	230	U	680	U	4360		23	U	221	J	200	U	163	U	0.44	U	110		1010	J	1.4	U	24	U	260	U	7460		11100		140	U	4800	J	3600	
Bromodichloromethane	NS	180	U	510	U	280	U	18	U	160	U	150	U	16	U	0.33	U	25	U	420	U	0.36	U	18	U	200	U	100	U	25	U	110	U	1600	U	23	U
Bromoform	NS	100	U	300	U	160	U	10	U	93	U	89	U	9.6	U	0.20	U	15	U	250	U	0.21	U	11	U	120	U	61	U	15	U	63	U	940	U	14	U
Bromomethane	NS	280	U	810	U	440	U	28	U	250	U	240	U	26	U	0.52	U	39	U	660	U	0.57	U	29	U	310	U	160	U	40	U	170	U	2500	U	36	U
2-Butanone (MEK)	500,000	1400	U	3900	U	2100	U	140	U	1200	U	1200	U	120	U	2.6	U	190	U	3200	U	2.8	U	140	U	1500	U	800	U	200	U	830	U	12000	U	180	U
Carbon disulfide	NS	210	U	610	U	330	U	21	U	190	U	180	U	19	U	0.40	U	30	U	500	U	3.2	J	22	U	230	U	120	U	30	U	130	U	1900	U	27	U
Carbon tetrachloride	22,000	380	U	1100	U	600	U	38	U	340	U	330	U	35	U	0.72	U	54	U	910	U	0.79	U	39	U	420	U	220	U	55	U	230	U	3400	U	50	U
Chlorobenzene	500,000	230	U	680	U	370	U	23	U	210	U	200	U	21	U	0.44	U	33	U	560	U	0.48	U	24	U	260	U	140	U	34	U	140	U	2100	U	30	U
Chloroethane	NS	690	U	2000	U	1100	U	69	U	610	U	590	U	63	U	1.3	U	97	U	1600	U	1.4	U	71	U	760	U	410	U	99	U	420	U	6200	U	90	U
Chloroform	350,000	220	U	640	U	350	U	22	U	190	U	190	U	20	U	0.41	U	31	U	520	U	0.45	U	22	U	240	U	130	U	31	U	130	U	2000	U	29	U
Chloromethane	NS	110	U	330	U	180	U	11	U	100	U	97	U	10	U	0.21	U	16	U	270	U	0.23	U	12	U	130	U	67	U	16	U	69	U	1000	U	15	U
Dibromochloromethane	NS	76	U	220	U	120	U	7.5	U	67	U	65	U	7.0	U	0.14	U	11	U	180	U	0.16	U	7.8	U	84	U	45	U	11	U	46	U	680	U	9.9	U
1,1-Dichloroethane	240,000	95	U	280	U	150	U	9.5	U	85	U	81	U	8.7	U	0.18	U	13	U	230	U	0.20	U	9.7	U	110	U	56	U	14	U	58	U	860	U	12	U
1,2-Dichloroethane	30,000	240	U	690	U	380	U	24	U	210	U	200	U	22	U	0.45	U	34	U	570	U	0.49	U	24	U	260	U	140	U	34	U	140	U	2100	U	31	U
1,1-Dichloroethene	500,000	460	U	1300	U	720	U	45	U	410	U	390	U	42	U	0.86	U	64	U	1100	U	0.94	U	47	U	510	U	270	U	66	U	280	U	4100	U	59	U
cis-1,2-Dichloroethene	500,000	160	U	480	U	260	U	16	U	150	U	140	U	15	U	0.31	U	23	U	390	U	0.34	U	17	U	180	U	97	U	24	U	100	U	1500	U	21	U
trans-1,2-Dichloroethene	500,000	310	U	900	U	490	U	31	U	280	U	260	U	28	U	0.58	U	44	U	740	U	0.64	U	32	U	340	U	180	U	44	U	190	U	2800	U	40	U
1,2-Dichloroethene (total)	NS	160	U	480	U	260	U	16	U	150	U	140	U	15	U	0.31	U	23	U	390	U	0.34	U	17	U	180	U	97	U	24	U	100	U	1500	U	21	U
1,2-Dichloropropane	NS	89	U	260	U	140	U	8.9	U	80	U	76	U	8.2	U	0.17	U	13	U	210	U	0.18	U	9.2	U	99	U	53	U	13	U	55	U	810	U	12	U
cis-1,3-Dichloropropene	NS	91	U	270	U	140	U	9.1	U	82	U	78	U	8.4	U	0.17	U	13	U	220	U	0.19	U	9.4	U	100	U	54	U	13	U	56	U	830	U	12	U
trans-1,3-Dichloropropene	NS	66	U	190	U	100	U	6.6	U	59	U	56	U	6.1	U	0.12	U	9.3	U	160	U	0.14	U	6.8	U	73	U	39	U	9.5	U	40	U	600	U	8.6	U
Ethylbenzene	390,000	57400		7610		25900		25	U	26800		270	J	210		0.48	U	58.9	J	37500		21.1		10100		41400		184000		1730		63900		3800	J	15100	
2-Hexanone	NS	660	U	1900	U	1000	U	66	U	590	U	570	U	61	U	1.2	U	94	U	1600	U	1.4	U	68	U	740	U	390	U	95	U	400	U	6000	U	87	U
Methyl Tert Butyl Ether	500,000	190	U	560	U	310	U	19	U	170	U	170	U	18	U	0.37	U	27	U	460	U	0.40	U	20	U	220	U	110	U	28	U	120	U	1800	U	25	U
4-Methyl-2-pentanone(MIBK)	NS	560	U	1600	U	880	U	56	U	500	U	480	U	51	U	1.1	U	79	U	1300	U	1.1	U	57	U	620	U	330	U	80	U	340	U	5000	U	73	U
Methylene chloride	500,000	150	U	450	U	240	U	15	U	140	U	130	U	14	U	0.29	U	22	U	370	U	0.32	U	16	U	170	U	90	U	22	U	94	U	1400	U	20	U
Styrene	NS	74	U	210	U	120	U	7.3	U	66	U	63	U	6.8	U	0.14	U	10	U	180	U	0.15	U	7.6	U	82	U	43	U	11	U	45	U	660	U	9.6	U
1,1,2,2-Tetrachloroethane	NS	200	U	590	U	320	U	20	U	180	U	170	U	19	U	0.38	U	28	U	480	U	0.41	U	21	U	220	U	120	U	29	U	120	U	1800	U	26	U
Tetrachloroethene	150,000	100	U	290	U	160	U	9.9	U	89	U	85	U	9.2	U	2.8	J	14	U	240	U	0.21	U	10	U	110	U	59	U	14	U	61	U	900	U	13	U
Toluene	500,000	48000		7490		1640		20	U	180	U	170	U	291		0.38	U	28	U	130000		4.2		147		882		525000		2160		11100		10200		8020	
1,1,1-Trichloroethane	500,000	88	U	260	U	140	U	8.8	U	78	U	75	U	8.1	U	4.8	J	12	U	210	U	0.18	U	9.0	U	98	U	52	U	13	U	54	U	790	U	12	U
1,1,2-Trichloroethane	NS	130	U	370	U	200	U	13	U	110	U	110	U	12	U	0.24	U	18	U	300	U	0.26	U	13	U	140	U	75	U	18	U	78	U	1100	U	17	U
Trichloroethene	200,000	360	U	1100	U	570	U	36	U	320	U	310	U	33	U	0.68	U	51	U	860	U	0.74	U	37	U	400	U	210	U	52	U	220	U	3300	U	47	U
Vinyl chloride	13,000	120	U	360	U	190	U	12	U	110	U	100	U	11	U	0.23	U	17	U	290	U	0.25	U	13	U	140	U	72	U	18	U	75	U	1100	U	16	U
Xylene (total)	500,000	241000		37900		62600		61.1	J	5900		1670		1370		0.61	U	60.1	J	218000		45.6		16400		129000		961000		7430							

Notes:
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(NYCRR) Table 375-6.8(b) Restricted Use Soil
Cleanup Objectives (RUSCOs) for Commercial Facilities;
VOCs - Volatile organic compounds
Values above RUSCOs in **BOLD**
µg/kg - micrograms per kilogram
NS - No standard
U - Below detection limit
J - Estimated value detected above qualitative method detection limit (MDL) &
below the quantitative reporting detection limit (RDL).

Table 3
Soil Analytical Results - Pre-Injection
VOCs in Soils
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PI-24-1D	PI-19-16S	PI-19-1S	PI-19-2S	PI-19-3S	PI-19-4S	PI-19-5S	PI-19-6S	PI-19-7S	PI-19-8S	PI-19-9S	PI-27-4D	PI-27-5D	PI-27-6D	PI-27-7D	PI-27-8D	PI-11-10	PI-11-11
Lab Sample ID	Objectives	JA37474-11	JA38084-15	JA38084-8	JA38084-9	JA38084-11	JA38084-12	JA38084-13	JA38084-14	JA38084-27	JA38084-28	JA38084-19	JA38084-1	JA38084-3	JA38084-4	JA38084-5	JA38084-6	JA38355-18	JA38355-5
Date Sampled	RUSCOs	1/12/2010	1/20/2010	1/19/2010	1/19/2010	1/19/2010	1/19/2010	1/20/2010	1/20/2010	1/20/2010	1/20/2010	1/20/2010	1/18/2010	1/18/2010	1/18/2010	1/18/2010	1/18/2010	1/22/2010	1/21/2010
VOCs (µg/kg)																			
Acetone	500,000	1500	U 230	U	15	U	150	U	200	U	10000	U	890	U	880	U	160	U	30.4
Benzene	44,000	230	U 5190		2.3	U	23	U	1990		2800	J 23700		135	J 24	U	379		2.9
Bromodichloromethane	NS	180	U 27	U	1.8	U	17	U	23	U	1200	U	100	U	100	U	18	U	0.32
Bromoform	NS	100	U 16	U	1.0	U	10	U	13	U	680	U	60	U	60	U	11	U	0.19
Bromomethane	NS	280	U 42	U	2.8	U	27	U	36	U	1800	U	160	U	160	U	28	U	0.50
2-Butanone (MEK)	500,000	1400	U 200	U	13	U	130	U	180	U	8900	U	790	U	780	U	140	U	2.4
Carbon disulfide	NS	210	U 31	U	4.3	J	20	U	27	U	1400	U	120	U	120	U	21	U	1.7
Carbon tetrachloride	22,000	380	U 57	U	3.8	U	37	U	50	U	2500	U	220	U	220	U	39	U	0.68
Chlorobenzene	500,000	230	U 35	U	2.3	U	23	U	30	U	1500	U	140	U	130	U	24	U	0.42
Chloroethane	NS	690	U 100	U	6.8	U	67	U	89	U	4500	U	400	U	400	U	70	U	1.2
Chloroform	350,000	220	U 33	U	2.2	U	21	U	28	U	1400	U	130	U	130	U	22	U	0.39
Chloromethane	NS	110	U 17	U	1.1	U	11	U	15	U	740	U	66	U	65	U	12	U	0.20
Dibromochloromethane	NS	76	U 11	U	0.75	U	7.4	U	9.8	U	500	U	44	U	43	U	7.7	U	0.13
1,1-Dichloroethane	240,000	95	U 14	U	0.94	U	9.2	U	12	U	620	U	55	U	55	U	9.7	U	0.17
1,2-Dichloroethane	30,000	240	U 36	U	2.4	U	23	U	31	U	1600	U	140	U	140	U	24	U	0.42
1,1-Dichloroethene	500,000	460	U 68	U	4.5	U	44	U	59	U	3000	U	260	U	260	U	46	U	0.81
cis-1,2-Dichloroethene	500,000	160	U 25	U	1.6	U	16	U	21	U	1100	U	95	U	94	U	17	U	0.29
trans-1,2-Dichloroethene	500,000	310	U 46	U	3.1	U	30	U	40	U	2000	U	180	U	180	U	32	U	0.55
1,2-Dichloroethene (total)	NS	160	U 25	U	1.6	U	16	U	21	U	1100	U	95	U	94	U	17	U	0.29
1,2-Dichloropropane	NS	89	U 13	U	0.89	U	8.7	U	12	U	590	U	52	U	51	U	9.1	U	0.16
cis-1,3-Dichloropropene	NS	91	U 14	U	0.91	U	8.9	U	12	U	600	U	53	U	53	U	9.3	U	0.16
trans-1,3-Dichloropropene	NS	66	U 9.9	U	0.66	U	6.4	U	8.6	U	430	U	38	U	38	U	6.7	U	0.12
Ethylbenzene	390,000	57400	3110		9.5		89.7		2590		53900		149000		105000		1710		13.4
2-Hexanone	NS	660	U 99	U	6.6	U	64	U	86	U	4300	U	380	U	380	U	68	U	1.2
Methyl Tert Butyl Ether	500,000	190	U 29	U	1.9	U	19	U	25	U	1300	U	110	U	110	U	20	U	0.35
4-Methyl-2-pentanone(MIBK)	NS	560	U 84	U	5.5	U	54	U	72	U	3700	U	320	U	320	U	57	U	0.99
Methylene chloride	500,000	150	U 23	U	1.5	U	15	U	20	U	1000	U	89	U	88	U	16	U	12.5
Styrene	NS	74	U 11	U	4.9	J	7.2	U	9.6	U	480	U	43	U	42	U	7.5	U	1.2
1,1,2,2-Tetrachloroethane	NS	200	U 30	U	2.0	U	20	U	26	U	1300	U	120	U	120	U	21	U	0.36
Tetrachloroethene	150,000	100	U 15	U	0.99	U	9.7	U	13	U	650	U	58	U	57	U	10	U	0.23
Toluene	500,000	48000	836		2.0	U	24.7	J	613		42600		601000		24500		141		7.7
1,1,1-Trichloroethane	500,000	88	U 13	U	0.87	U	8.6	U	11	U	580	U	51	U	51	U	9.0	U	0.16
1,1,2-Trichloroethane	NS	130	U 19	U	1.3	U	12	U	17	U	830	U	74	U	73	U	13	U	0.23
Trichloroethene	200,000	360	U 54	U	3.6	U	35	U	47	U	2400	U	210	U	210	U	37	U	0.65
Vinyl chloride	13,000	120	U 18	U	1.2	U	12	U	16	U	800	U	71	U	70	U	12	U	0.22
Xylene (total)	500,000	241000	10200		10.2	J	182		13200		237000		698000		524000		4180		104
Total VOCs		105400	19336		24		271.7		18393		336300		1471700		653635		6055		128

Notes:
Commerical RUSCOs refer to the 6 New York State Code of Rules and Regul
(NYCRR) Table 375-6.8(b) Restricted Use Soil
Cleanup Objectives (RUSCOs) for Commercial Facilities;
VOCs - Volatile organic compounds
Values above RUSCOs in **BOLD**
µg/kg - micrograms per kilogram
NS - No standard
U - Below detection limit
J - Estimated value detected above qualitative method detection limit (MDL) &
below the quantitative reporting detection limit (RDL).

Table 3
Soil Analytical Results - Pre-Injection
VOCs in Soils
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PI-24-1D		PI-11-12		PI-11-13		PI-11-14		PI-11-15		PI-11-16		PI-11-2		PI-11-4		PI-11-5		PI-11-6		PI-11-7		PI-11-8		PI-11-9	
Lab Sample ID	Objectives	JA37474-11		JA38355-19		JA38355-11		JA38355-16		JA38355-8		JA38355-9		JA38355-15		JA38355-14		JA38355-12		JA38355-2		JA38355-6		JA38355-10		JA38355-4	
Date Sampled	RUSCOs	1/12/2010		1/22/2010		1/22/2010		1/22/2010		1/21/2010		1/21/2010		1/22/2010		1/22/2010		1/22/2010		1/21/2010		1/21/2010		1/22/2010		1/21/2010	
VOCs (µg/kg)																											
Acetone	500,000	1500	U	620	U	720	U	130	U	56.0		2000	U	1600	U	23.7		690	U	730	U	28.7		6700	U	2600	U
Benzene	44,000	230	U	94	U	110	U	20	U	3.7		4470		240	U	0.54	J	110	U	110	U	1.0	J	1000	U	400	U
Bromodichloromethane	NS	180	U	71	U	83	U	15	U	0.34	U	230	U	180	U	0.36	U	80	U	84	U	0.37	U	780	U	300	U
Bromoform	NS	100	U	42	U	49	U	8.7	U	0.20	U	130	U	110	U	0.21	U	47	U	50	U	0.22	U	460	U	180	U
Bromomethane	NS	280	U	110	U	130	U	23	U	0.53	U	360	U	280	U	0.57	U	130	U	130	U	0.58	U	1200	U	480	U
2-Butanone (MEK)	500,000	1400	U	550	U	640	U	110	U	2.6	U	1700	U	1400	U	2.8	U	610	U	650	U	2.8	U	6000	U	2300	U
Carbon disulfide	NS	210	U	84	U	99	U	18	U	0.77	J	270	U	210	U	1.1	J	95	U	100	U	10.9		920	U	360	U
Carbon tetrachloride	22,000	380	U	150	U	180	U	32	U	0.73	U	490	U	390	U	0.78	U	170	U	180	U	0.80	U	1700	U	660	U
Chlorobenzene	500,000	230	U	94	U	110	U	20	U	0.45	U	300	U	240	U	0.47	U	110	U	110	U	0.49	U	1000	U	400	U
Chloroethane	NS	690	U	280	U	320	U	58	U	1.3	U	890	U	700	U	1.4	U	310	U	330	U	1.4	U	3000	U	1200	U
Chloroform	350,000	220	U	88	U	100	U	18	U	0.42	U	280	U	220	U	0.44	U	99	U	100	U	0.46	U	960	U	380	U
Chloromethane	NS	110	U	46	U	53	U	9.5	U	0.22	U	150	U	110	U	0.23	U	51	U	54	U	0.24	U	500	U	200	U
Dibromochloromethane	NS	76	U	30	U	36	U	6.4	U	0.15	U	98	U	77	U	0.15	U	34	U	36	U	0.16	U	330	U	130	U
1,1-Dichloroethane	240,000	95	U	38	U	45	U	8.0	U	0.18	U	120	U	96	U	0.19	U	43	U	45	U	0.20	U	420	U	160	U
1,2-Dichloroethane	30,000	240	U	96	U	110	U	20	U	0.46	U	310	U	240	U	0.48	U	110	U	110	U	0.50	U	1000	U	410	U
1,1-Dichloroethene	500,000	460	U	180	U	210	U	38	U	0.88	U	590	U	460	U	0.93	U	210	U	220	U	0.96	U	2000	U	780	U
cis-1,2-Dichloroethene	500,000	160	U	66	U	77	U	14	U	0.32	U	210	U	170	U	0.33	U	74	U	78	U	0.34	U	720	U	280	U
trans-1,2-Dichloroethene	500,000	310	U	120	U	150	U	26	U	0.59	U	400	U	310	U	0.63	U	140	U	150	U	0.65	U	1400	U	530	U
1,2-Dichloroethene (total)	NS	160	U	66	U	77	U	14	U	0.32	U	210	U	170	U	0.33	U	74	U	78	U	0.34	U	720	U	280	U
1,2-Dichloropropane	NS	89	U	36	U	42	U	7.5	U	0.17	U	120	U	91	U	0.18	U	40	U	43	U	0.19	U	390	U	150	U
cis-1,3-Dichloropropene	NS	91	U	37	U	43	U	7.7	U	0.18	U	120	U	93	U	0.19	U	41	U	44	U	0.19	U	400	U	160	U
trans-1,3-Dichloropropene	NS	66	U	27	U	31	U	5.6	U	0.13	U	85	U	67	U	0.13	U	30	U	32	U	0.14	U	290	U	110	U
Ethylbenzene	390,000	57400		1610		155	J	1730		1.9		9190		30100		0.63	J	14600		332		13.1		6160		2630	
2-Hexanone	NS	660	U	270	U	310	U	56	U	1.3	U	850	U	670	U	1.3	U	300	U	320	U	1.4	U	2900	U	1100	U
Methyl Tert Butyl Ether	500,000	190	U	78	U	91	U	16	U	0.37	U	250	U	200	U	0.39	U	88	U	93	U	0.41	U	850	U	330	U
4-Methyl-2-pentanone(MIBK)	NS	560	U	220	U	260	U	47	U	1.1	U	720	U	560	U	1.1	U	250	U	270	U	1.2	U	2500	U	960	U
Methylene chloride	500,000	150	U	62	U	72	U	13	U	5.7	J	200	U	160	U	0.31	U	69	U	73	U	0.32	U	670	U	260	U
Styrene	NS	74	U	30	U	35	U	6.2	U	0.14	U	95	U	75	U	0.15	U	33	U	35	U	4.3	J	320	U	130	U
1,1,2,2-Tetrachloroethane	NS	200	U	81	U	95	U	17	U	0.39	U	260	U	200	U	0.41	U	91	U	96	U	0.42	U	890	U	350	U
Tetrachloroethene	150,000	100	U	40	U	47	U	8.4	U	0.19	U	130	U	100	U	0.20	U	45	U	48	U	0.21	U	440	U	170	U
Toluene	500,000	48000		81	U	103	J	17	U	3.2		807	J	403	J	0.41	U	221	J	242	J	4.5		6140		392	J
1,1,1-Trichloroethane	500,000	88	U	35	U	41	U	7.4	U	0.17	U	110	U	89	U	0.18	U	40	U	42	U	0.18	U	390	U	150	U
1,1,2-Trichloroethane	NS	130	U	51	U	60	U	11	U	0.24	U	160	U	130	U	0.26	U	58	U	61	U	0.27	U	560	U	220	U
Trichloroethene	200,000	360	U	150	U	170	U	30	U	0.70	U	470	U	370	U	0.74	U	160	U	170	U	0.76	U	1600	U	620	U
Vinyl chloride	13,000	120	U	49	U	58	U	10	U	0.24	U	160	U	120	U	0.25	U	55	U	58	U	0.26	U	540	U	210	U
Xylene (total)	500,000	241000		2590		933		1750		6.2		19800		34900		0.66	U	21200		1040		22.8		46500		9200	
Total VOCs		105400		4200		1088		3480		77		34267		65000		27.27		36021		1614		85.3		58800		12222	

Notes:

Commerical RUSCOs refer to the 6 New York State Code of Rules and Regul
(NYCRR) Table 375-6.8(b) Restricted Use Soil

Cleanup Objectives (RUSCOs) for Commercial Facilities;

VOCs - Volatile organic compounds

Values above RUSCOs in **BOLD**

µg/kg - micrograms per kilogram

NS - No standard

U - Below detection limit

J - Estimated value detected above qualitative method detection limit (MDL) &
below the quantitative reporting detection limit (RDL).

Table 3
Soil Analytical Results-Pre-Injection
SVOCs in Soils
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory Objectives	PI-24-1D	PI-24-1S	PI-24-2D	PI-24-2S	PI-24-3D	PI-24-3S	PI-24-4D	PI-24-4S	PI-24-5D	PI-24-5S	PI-24-6S	PI-24-7S	PI-24-8S	PI-24-6D	PI-24-7D	PI-24-8D	PI-27-1D	PI-27-1S	PI-27-2D	PI-27-2S	PI-27-3D	PI-27-3S	PI-27-4S
Lab Sample ID	RUSCOs	JA37474-11	JA37474-1	JA37474-12	JA37474-2	JA37474-13	JA37474-4	JA37474-14	JA37474-5	JA37474-15	JA37474-6	JA37474-7	JA37474-8	JA37474-10	JA37789-1	JA37789-3	JA37789-2	JA37789-20	JA37789-7	JA37789-22	JA37789-8	JA37789-23	JA37789-10	JA37789-12
Date Sampled		1/12/2010	1/11/2010	1/12/2010	1/11/2010	1/12/2010	1/11/2010	1/12/2010	1/11/2010	1/12/2010	1/11/2010	1/11/2010	1/12/2010	1/12/2010	1/13/2010	1/13/2010	1/13/2010	1/15/2010	1/14/2010	1/15/2010	1/14/2010	1/15/2010	1/14/2010	1/14/2010
SVOCs (µg/kg)																								
2-Chlorophenol	NS	38 U	36 U	370 U	35 U	620 U	36 U	190 U	360 U	370 U	37 U	42 U	37 U	200 U	200 U	390 U	440 U	42 U	39 U	47 U	340 U	40 U	40 U	390 U
4-Chloro-3-methyl phenol	NS	37 U	36 U	370 U	35 U	610 U	36 U	180 U	360 U	370 U	36 U	41 U	36 U	200 U	200 U	390 U	430 U	41 U	39 U	47 U	340 U	40 U	40 U	390 U
2,4-Dichlorophenol	NS	60 U	58 U	600 U	56 U	990 U	58 U	300 U	580 U	600 U	58 U	66 U	59 U	320 U	320 U	630 U	700 U	67 U	63 U	75 U	540 U	64 U	64 U	620 U
2,4-Dimethylphenol	NS	63 U	61 U	640 J	59 U	1000 U	196	30600	80000	620 U	61 U	2060	416	330 U	2860	2060	730 U	69 U	66 U	410	570 U	67 U	67 U	1430 J
2,4-Dinitrophenol	NS	45 U	44 U	450 U	43 U	750 U	44 U	230 U	440 U	450 U	44 U	50 U	44 U	240 U	240 U	470 U	530 U	50 U	48 U	57 U	410 U	48 U	49 U	470 U
4,6-Dinitro-o-cresol	NS	45 U	44 U	450 U	43 U	750 U	44 U	230 U	440 U	450 U	44 U	50 U	44 U	240 U	240 U	470 U	530 U	50 U	48 U	57 U	410 U	48 U	49 U	470 U
2-Methylphenol	NS	523	41 U	420 U	108	700 U	158	27600	54400	420 U	41 U	671	288	220 U	733	440 U	500 U	47 U	45 U	105	390 U	45 U	45 U	440 U
3&4-Methylphenol	NS	487	46 U	470 U	427	780 U	492	70800	138000	470 U	77.3	1510	707	328 J	1150	490 U	550 U	53 U	50 U	109	430 U	50 U	51 U	490 U
2-Nitrophenol	NS	39 U	38 U	390 U	37 U	650 U	38 U	200 U	380 U	390 U	38 U	44 U	39 U	210 U	210 U	410 U	460 U	44 U	41 U	49 U	360 U	42 U	42 U	410 U
4-Nitrophenol	NS	63 U	61 U	630 U	59 U	1000 U	61 U	310 U	600 U	630 U	61 U	70 U	62 U	330 U	330 U	660 U	730 U	70 U	66 U	79 U	570 U	67 U	67 U	660 U
Pentachlorophenol	6,700	64 U	62 U	630 U	60 U	1000 U	62 U	320 U	610 U	630 U	62 U	70 U	62 U	340 U	340 U	660 U	740 U	71 U	67 U	80 U	580 U	68 U	68 U	660 U
Phenol	500,000	39 U	38 U	390 U	169	640 U	269	40200	58900	390 U	54.2 J	538	421	210 U	210 U	410 U	460 U	43 U	41 U	49 U	350 U	42 U	42 U	410 U
2,4,5-Trichlorophenol	NS	43 U	42 U	430 U	40 U	710 U	42 U	210 U	410 U	430 U	42 U	48 U	42 U	230 U	230 U	450 U	500 U	48 U	45 U	54 U	390 U	46 U	46 U	450 U
2,4,6-Trichlorophenol	NS	35 U	34 U	350 U	33 U	580 U	34 U	170 U	340 U	350 U	34 U	39 U	34 U	180 U	180 U	370 U	410 U	39 U	37 U	44 U	320 U	37 U	38 U	360 U
Acenaphthene	500,000	161000	1380	148000	217000	262000	10900	89300	125000	170000	1340	28900	35500	113000	126000	184000	172000	62100	85500	17300	90200	222	45100	77200
Acenaphthylene	500,000	2960	150	4190	33600	5370	6070	33000	112000	14500	46.4	44000	43100	195000	98700	167000	15700	5790	5790	1460	4540	13 U	851	87100
Anthracene	500,000	65700	2740	72600	164000	123000	16100	81300	178000	82100	2200	64500	117000	237000	216000	357000	133000	32400	54100	9720	64900	139	20300	170000
Benzo(a)anthracene	5,600	11500	5350	11800	151000	17900	31900	66000	168000	13500	210	80800	122000	225000	144000	260000	30600	9120	8710	2880	32600	36.2 J	8910	130000
Benzo(a)pyrene	1,000	7460	3570	5220	143000	6080	29600	65000	174000	7450	101	115000	134000	223000	81300	200000	18400	4010	3460	1470	15600	12 U	3420	115000
Benzo(b)fluoranthene	5,600	6270	4090	4230	111000	5090	20900	45900	151000	6730	86.3	90000	104000	203000	110000	343000	20200	3760	3730	1950	18800	13 U	3170	170000
Benzo(g,h,i)perylene	500,000	2900	1850	1660	34800	1250	11700	29200	96500	2340	941	49700	55100	108000	32800	124000	9410	1730	1310	754	6420	15 U	2150	77400
Benzo(k)fluoranthene	56,000	5420	3640	4220	97200	5410	23300	44100	74500	4660	83.0	72600	85900	121000	12200	66100	8230	1450	934	544	5490	15 U	841	53800
4-Bromophenyl phenyl ether	NS	14 U	13 U	130 U	13 U	220 U	13 U	67 U	130 U	130 U	13 U	15 U	13 U	71 U	71 U	140 U	160 U	15 U	14 U	17 U	120 U	14 U	14 U	140 U
Butyl benzyl phthalate	NS	22 U	21 U	210 U	20 U	210 U	21 U	110 U	210 U	210 U	21 U	24 U	21 U	110 U	110 U	220 U	250 U	24 U	23 U	27 U	200 U	23 U	23 U	220 U
2-Chloronaphthalene	NS	12 U	11 U	110 U	11 U	190 U	11 U	57 U	110 U	120 U	11 U	13 U	11 U	61 U	61 U	120 U	130 U	13 U	12 U	14 U	100 U	12 U	12 U	120 U
4-Chloroaniline	NS	12 U	12 U	120 U	11 U	200 U	12 U	59 U	110 U	120 U	12 U	13 U	12 U	63 U	63 U	120 U	140 U	13 U	12 U	15 U	110 U	13 U	13 U	120 U
Carbazole	NS	33000	958	20300	46800	21600	2380	44700	94500	31000	1390	28500	10600	127000	93800	160000	21300	11700	20300	2820	16000	643	2140	88300
Chrysene	56,000	9860	3550	10400	131000	15000	27900	57200	147000	11500	153	71600	112000	192000	114000	220000	22700	6960	6790	2240	24400	37.0 J	3840	125000
bis(2-Chloroethoxy)methane	NS	15 U	15 U	150 U	14 U	250 U	15 U	75 U	140 U	150 U	15 U	17 U	15 U	79 U	79 U	160 U	180 U	17 U	16 U	19 U	140 U	16 U	16 U	160 U
bis(2-Chloroethyl)ether	NS	11 U	11 U	110 U	11 U	180 U	11 U	56 U	110 U	110 U	11 U	12 U	11 U	59 U	59 U	120 U	130 U	12 U	12 U	14 U	100 U	12 U	12 U	120 U
bis(2-Chloroisopropyl)ether	NS	11 U	11 U	110 U	10 U	180 U	11 U	55 U	110 U	110 U	11 U	12 U	11 U	58 U	58 U	120 U	130 U	12 U	12 U	14 U	100 U	12 U	12 U	120 U
4-Chlorophenyl phenyl ether	NS	11 U	11 U	110 U	11 U	180 U	11 U	56 U	110 U	110 U	11 U	12 U	11 U	59 U	59 U	120 U	130 U	12 U	12 U	14 U	100 U	12 U	12 U	120 U
1,2-Dichlorobenzene	500,000	11 U	10 U	110 U	10 U	180 U	10 U	53 U	100 U	110 U	10 U	12 U	10 U	57 U	57 U	110 U	130 U	12 U	11 U	13 U	97 U	11 U	11 U	110 U
1,3-Dichlorobenzene	280,000	10 U	9.7 U	99 U	9.3 U	160 U	9.7 U	49 U	96 U	99 U	9.7 U	11 U	9.8 U	53 U	53 U	100 U	120 U	11 U	10 U	12 U	91 U	11 U	11 U	100 U
1,4-Dichlorobenzene	130,000	8.3 U	8.1 U	83 U	7.8 U	140 U	8.0 U	41 U	80 U	83 U	8.1 U	9.2 U	8.1 U	44 U	44 U	87 U	97 U	9.2 U	8.7 U	10 U	75 U	8.8 U	8.9 U	87 U
2,4-Dinitrotoluene	NS	16 U	16 U	160 U	15 U	270 U	16 U	81 U	160 U	160 U	16 U	18 U	16 U	86 U	86 U	170 U	190 U	18 U	17 U	20 U	150 U	17 U	17 U	170 U
2,6-Dinitrotoluene	NS	14 U	14 U	140 U	13 U	230 U	14 U	70 U	140 U	140 U	14 U	16 U	14 U	75 U	75 U	150 U	170 U	16 U	15 U	18 U	130 U	15 U	15 U	150 U
3,3'-Dichlorobenzidine	NS	9.5 U	9.2 U	94 U	8.9 U	160 U	9.2 U	47 U	91 U	94 U	9.2 U	10 U	9.3 U	50 U	50 U	99 U	110 U	11 U	9.9 U	12 U	86 U	10 U	10 U	99 U
Dibenzo(a,h)anthracene	560	913	780	806	13900	725	5450	13200	33100	993	271	17100	18700	33300	11900	28000	3520	662	524	257	2530	13 U	780	20100
Dibenzofuran	350,000	143000	961	123000	194000	224000	9580	114000	236000	150000	1790	51700	15200	213000	192000	298000	151000	48400	73000	13600	77000	1760	32100	145000
Di-n-butyl phthalate	NS	8.3 U	8.0 U	82 U	7.7 U	140 U	8.0 U	41 U	79 U	82 U	8.0 U	9.1 U	8.1 U	44 U	44 U	86 U	96 U	9.2 U	8.7 U	10 U	75 U	8.8 U	8.9 U	86 U
Di-n-octyl phthalate	NS	18 U	18 U	180 U	17 U	300 U	18 U	90 U	170 U	180 U	18 U	20 U	18 U	96 U	96 U	190 U	210 U	20 U	19 U	23 U	160 U	19 U	19 U	190 U
Diethyl phthalate	NS	13 U	12 U	130 U	12 U	210 U	12 U	63 U	120 U	130 U	12 U	14 U	12 U	67 U	67 U	130 U	150 U	14 U	13 U	16 U	120 U	13 U	14 U	130 U
Dimethyl phthalate	NS	13 U	13 U	130 U	12 U	220 U	13 U	65 U	130 U	130 U	13 U	14 U	13 U	69 U	69 U	140 U	150 U	15 U	14 U	16 U	120 U	14 U	14 U	140 U
bis(2-Ethylhexyl)phthalate	NS	33 U	248	330 U	31 U	540 U	32 U	160 U	320 U	330 U	80.7	36 U	32 U	170 U	170 U	340 U	380 U	37 U	34 U	63.0 J	300 U	85.9	35 U	340 U
Fluoranthene	500,000	65100	11700	94800	370000	109000	49100	202000	560000	71600	1010	186000	322000	703000	291000	740000	144000	36900	51400	12800	78800	199	30100	410000
Fluorene	500,000	131000	1540	135000	221000	251000	17600	136000	297000	159000	5460	62600	17000	263000	285000	314000	153000	49500	81000	13500	87200	528	31500	149000
Hexachlorobenzene	6,000	12 U	12 U	120 U	11 U	200 U	12 U	60 U	120 U	120 U	12 U	13 U	12 U	64 U	64 U	130 U	140 U	13 U	13 U	15 U	110 U	13 U	13 U	130 U
Hexachlorobutadiene	NS	10 U	10 U	100 U	9.7 U	170 U	10 U	51 U	99 U	100 U	10 U	11 U	10 U	55 U	55 U	110 U	120 U	11 U	11 U	13 U	94 U	11 U	11 U	110 U
Hexachlorocyclopentadiene	NS	38 U	37 U	380																				

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Soil Analytical Results-Pre-Injection
SVOCs in Soils
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory Objectives	PI-24-1D JA37474-11 1/12/2010	PI-27-5S JA37789-14 1/14/2010	PI-27-6S JA37789-15 1/14/2010	PI-27-7S JA37789-16 1/15/2010	PI-27-8S JA37789-18 1/15/2010	PI-11-2S JA38084-32 1/20/2010	PI-11-3 JA38084-34 1/20/2010	PI-19-10S JA38084-21 1/20/2010	PI-19-11S JA38084-23 1/20/2010	PI-19-12S JA38084-25 1/19/2010	PI-19-13S JA38084-24 1/20/2010	PI-19-14S JA38084-20 1/20/2010	PI-19-15S JA38084-18 1/18/2010	PI-19-16S JA38084-15 1/20/2010	PI-19-1S JA38084-8 1/19/2010	PI-19-2S JA38084-9 1/19/2010	PI-19-3S JA38084-11 1/19/2010	PI-19-4S JA38084-12 1/19/2010	PI-19-5S JA38084-13 1/20/2010	PI-19-6S JA38084-14 1/20/2010	PI-19-7S JA38084-27 1/20/2010	PI-19-8S JA38084-28 1/20/2010
Lab Sample ID Date Sampled	RUSCOs																						
SVOCs (µg/kg)																							
2-Chlorophenol	NS	38 U	40 U	380 U	510 U	41 U	34 U	35 U	42 U	43 U	43 U	45 U	65 U	40 U	44 U	35 U	34 U	40 U	520 U	37 U	37 U	34 U	38 U
4-Chloro-3-methyl phenol	NS	37 U	39 U	380 U	510 U	41 U	34 U	34 U	41 U	43 U	42 U	44 U	64 U	40 U	43 U	35 U	33 U	40 U	520 U	37 U	37 U	34 U	38 U
2,4-Dichlorophenol	NS	60 U	63 U	600 U	820 U	66 U	54 U	55 U	67 U	69 U	68 U	71 U	100 U	64 U	70 U	56 U	53 U	64 U	840 U	59 U	59 U	55 U	60 U
2,4-Dimethylphenol	NS	63 U	66 U	630 U	850 U	69 U	57 U	58 U	69 U	72 U	5410	75 U	3360	67 U	3340	59 U	132 J	2660	1850 J	62 U	62 U	275	63 U
2,4-Dinitrophenol	NS	45 U	48 U	460 U	620 U	50 U	41 U	42 U	50 U	52 U	52 U	54 U	78 U	49 U	53 U	43 U	41 U	49 U	630 U	45 U	45 U	42 U	46 U
4,6-Dinitro-o-cresol	NS	45 U	48 U	460 U	620 U	50 U	41 U	42 U	50 U	52 U	52 U	54 U	78 U	49 U	53 U	43 U	41 U	49 U	630 U	45 U	45 U	42 U	46 U
2-Methylphenol	NS	523	45 U	430 U	580 U	47 U	103	39 U	47 U	49 U	48 U	51 U	3990	46 U	218	40 U	172	45 U	590 U	42 U	42 U	170	227
3&4-Methylphenol	NS	487	50 U	480 U	650 U	52 U	394	44 U	52 U	54 U	146	56 U	11500	51 U	199	44 U	826	51 U	2460	47 U	47 U	465	404
2-Nitrophenol	NS	39 U	42 U	400 U	540 U	43 U	36 U	37 U	44 U	45 U	45 U	47 U	68 U	42 U	46 U	37 U	35 U	42 U	550 U	39 U	39 U	36 U	40 U
4-Nitrophenol	NS	63 U	66 U	630 U	860 U	69 U	57 U	58 U	70 U	72 U	71 U	75 U	110 U	68 U	73 U	59 U	56 U	67 U	880 U	62 U	62 U	58 U	63 U
Pentachlorophenol	6,700	64 U	67 U	640 U	870 U	70 U	58 U	59 U	71 U	73 U	72 U	76 U	110 U	68 U	74 U	60 U	57 U	68 U	890 U	63 U	63 U	58 U	64 U
Phenol	500,000	39 U	41 U	390 U	530 U	43 U	35 U	36 U	43 U	45 U	72.2 J	47 U	7690	42 U	171	37 U	324	42 U	540 U	39 U	38 U	197	740
2,4,5-Trichlorophenol	NS	43 U	46 U	440 U	590 U	48 U	39 U	40 U	48 U	50 U	49 U	51 U	74 U	46 U	50 U	40 U	39 U	46 U	600 U	43 U	43 U	40 U	44 U
2,4,6-Trichlorophenol	NS	35 U	37 U	350 U	480 U	39 U	32 U	32 U	39 U	40 U	40 U	42 U	60 U	38 U	41 U	33 U	31 U	37 U	490 U	35 U	34 U	32 U	35 U
Acenaphthene	500,000	161000	9060	2750	98400	6470	217000	12200	399000	208000	32.4 J	138000	56100	151000	46300	55100	9440	2940	478000	183000	166000	58800	94900
Acenaphthylene	500,000	2960	276	925	2980	1100	4650	649	13100	2010	14 U	2630	4900	2310	1600	717	272	68.7	18800	1630	1400	629	622
Anthracene	500,000	65700	5870	5950	50500	3400	80400	7130	135000	83200	19.6 J	43100	122000	50600	20400	35000	9810	1450	933000	67800	66500	25800	35900
Benzo(a)anthracene	5,600	11500	3140	26900	22100	1110	68100	2640	15000	10100	14 U	6750	156000	6700	3650	3290	4680	231	591000	8340	7720	17300	4690
Benzo(a)pyrene	1,000	7460	1590	30500	9790	543	46600	1650	7550	4100	13 U	3040	108000	2480	2390	1690	2070	126	472000	2670	2390	12800	1820
Benzo(b)fluoranthene	5,600	6270	1710	31900	12200	820	43100	1480	5900	4240	14 U	2590	118000	2600	2130	1660	2310	84.6	328000	2960	2530	11800	1780
Benzo(g,h,i)perylene	500,000	2900	774	33600	4570	291	22100	1350	2090	1290	16 U	1050	46900	1070	1160	745	1510	72.5	211000	1130	971	6410	751
Benzo(k)fluoranthene	56,000	5420	804	9830	5540	225	30300	1080	6350	1680	16 U	1850	59600	989	1590	1340	1810	115	39400	1100	1290	8060	1340
4-Bromophenyl phenyl ether	NS	14 U	14 U	140 U	180 U	15 U	12 U	13 U	15 U	16 U	15 U	16 U	23 U	15 U	16 U	13 U	12 U	14 U	190 U	13 U	13 U	12 U	14 U
Butyl benzyl phthalate	NS	22 U	23 U	220 U	290 U	24 U	20 U	20 U	24 U	25 U	24 U	26 U	37 U	23 U	25 U	20 U	19 U	23 U	300 U	21 U	21 U	20 U	22 U
2-Chloronaphthalene	NS	12 U	12 U	120 U	160 U	13 U	10 U	11 U	13 U	13 U	13 U	14 U	20 U	12 U	13 U	11 U	10 U	12 U	160 U	11 U	11 U	11 U	12 U
4-Chloroaniline	NS	12 U	13 U	120 U	160 U	13 U	11 U	11 U	13 U	14 U	14 U	14 U	20 U	13 U	14 U	11 U	11 U	13 U	170 U	12 U	12 U	11 U	12 U
Carbazole	NS	33000	692	2060	16900	1500	7740	2540	33300	26000	24.8 J	14400	42700	15000	10200	415	2040	329	178000	18400	22600	3110	12700
Chrysene	56,000	9860	2700	27200	19200	871	79500	2480	14400	9590	14 U	5980	147000	6450	3820	3230	4930	213	595000	8220	7500	17200	4600
bis(2-Chloroethoxy)methane	NS	15 U	16 U	150 U	210 U	17 U	14 U	14 U	17 U	17 U	17 U	18 U	26 U	16 U	17 U	14 U	13 U	16 U	210 U	15 U	15 U	14 U	15 U
bis(2-Chloroethyl)ether	NS	11 U	12 U	110 U	150 U	12 U	10 U	10 U	12 U	13 U	13 U	13 U	19 U	12 U	13 U	11 U	10 U	12 U	160 U	11 U	11 U	10 U	11 U
bis(2-Chloroisopropyl)ether	NS	11 U	12 U	110 U	150 U	12 U	10 U	10 U	12 U	13 U	13 U	13 U	19 U	12 U	13 U	10 U	9.9 U	12 U	150 U	11 U	11 U	10 U	11 U
4-Chlorophenyl phenyl ether	NS	11 U	12 U	110 U	150 U	12 U	10 U	10 U	12 U	13 U	13 U	13 U	19 U	12 U	13 U	11 U	10 U	12 U	160 U	11 U	11 U	10 U	11 U
1,2-Dichlorobenzene	500,000	11 U	11 U	110 U	150 U	12 U	9.7 U	9.9 U	12 U	12 U	12 U	13 U	18 U	12 U	12 U	10 U	9.6 U	11 U	150 U	11 U	11 U	9.8 U	11 U
1,3-Dichlorobenzene	280,000	10 U	11 U	100 U	140 U	11 U	9.0 U	9.2 U	11 U	11 U	11 U	12 U	17 U	11 U	12 U	9.4 U	8.9 U	11 U	140 U	9.9 U	9.8 U	9.2 U	10 U
1,4-Dichlorobenzene	130,000	8.3 U	8.8 U	84 U	110 U	9.1 U	7.5 U	7.7 U	9.2 U	9.6 U	9.4 U	9.9 U	14 U	8.9 U	9.6 U	7.8 U	7.4 U	8.9 U	120 U	8.2 U	8.2 U	7.6 U	8.4 U
2,4-Dinitrotoluene	NS	16 U	17 U	160 U	220 U	18 U	15 U	15 U	18 U	19 U	18 U	19 U	28 U	17 U	19 U	15 U	15 U	17 U	230 U	16 U	16 U	15 U	16 U
2,6-Dinitrotoluene	NS	14 U	15 U	140 U	190 U	16 U	13 U	13 U	16 U	16 U	16 U	17 U	24 U	15 U	16 U	13 U	13 U	15 U	200 U	14 U	14 U	13 U	14 U
3,3'-Dichlorobenzidine	NS	9.5 U	10 U	95 U	130 U	10 U	8.6 U	8.8 U	10 U	11 U	11 U	11 U	16 U	10 U	11 U	8.9 U	8.4 U	10 U	130 U	9.4 U	9.3 U	8.7 U	9.5 U
Dibenzo(a,h)anthracene	560	913	333	9820	1760	108	8030	290	767	506	14 U	347	22500	343	393	265	586	25.1 J	80900	396	368	1870	272
Dibenzofuran	350,000	143000	7940	1490	74300	6090	115000	10200	425000	176000	35.8 J	115000	64600	129000	41000	84500	46600	2640	293000	156000	135000	46800	84600
Di-n-butyl phthalate	NS	8.3 U	8.7 U	83 U	110 U	9.1 U	7.5 U	7.7 U	9.2 U	9.5 U	9.4 U	9.9 U	14 U	8.9 U	9.6 U	7.7 U	7.4 U	8.8 U	120 U	8.2 U	8.1 U	7.6 U	8.3 U
Di-n-octyl phthalate	NS	18 U	19 U	180 U	250 U	20 U	16 U	17 U	20 U	21 U	21 U	22 U	31 U	19 U	21 U	17 U	16 U	19 U	250 U	18 U	18 U	17 U	18 U
Diethyl phthalate	NS	13 U	13 U	130 U	170 U	14 U	11 U	12 U	14 U	15 U	14 U	15 U	22 U	14 U	15 U	12 U	11 U	14 U	180 U	13 U	13 U	12 U	13 U
Dimethyl phthalate	NS	13 U	14 U	130 U	180 U	14 U	12 U	12 U	15 U	15 U	15 U	16 U	23 U	14 U	15 U	12 U	12 U	14 U	180 U	13 U	13 U	12 U	13 U
bis(2-Ethylhexyl)phthalate	NS	33 U	35 U	330 U	450 U	63.9 J	30 U	NA	36 U	38 U	37 U	228	57 U	35 U	38 U	31 U	259	52.2 J	460 U	33 U	73.1	30 U	33 U
Fluoranthene	500,000	65100	9440	57300	71500	5340	311000	12900	101000	73200	31.6 J	49900	357000	48100	23600	27800	23100	1360	1260000	58800	53300	51700	32200
Fluorene	500,000	131000	6830	1530	89500	6000	153000	10200	301000	154000	27.8 J	92500	54900	103000	37700	56900	27300	2450	530000	134000	112000	40500	73700
Hexachlorobenzene	6,000	12 U	13 U	120 U	170 U	13 U	11 U	11 U	13 U	14 U	14 U	14 U	21 U	13 U	14 U	11 U	11 U	13 U	170 U	12 U	12 U	11 U	12 U
Hexachlorobutadiene	NS	10 U	11 U	100 U	140 U	11 U	9.4 U	9.6 U	11 U	12 U	12 U	12 U	18 U	11 U	12 U	9.7 U	9.2 U	11 U	140 U	10 U	10 U	9.5 U	10 U
Hexachlorocyclopentadiene	NS	38 U	40 U	380 U	520 U	42 U	34 U	35 U	42 U	44 U	43 U	45 U	65 U	41 U	44 U	36 U	34 U	41 U	530 U	38 U	37 U	35 U	38 U
Hexachloroethane	NS	10 U	11 U	100 U	140 U	11 U	9.4 U	9.6 U	11 U	12 U	12 U	12 U	18 U	11 U	12 U	9.7 U	9.2 U	11 U	140 U	10 U	10 U	9.5 U	10 U
Indeno(1,2,3-cd)pyrene	5,600	2800	797	24600	4380	281	19500	908	2160	1250	15 U	1020	48400	1050	1030	696	1270	58.9	186000	1110	955	6070	755
Isophorone	NS	10 U	11 U	100 U	140 U	11 U	9.1 U	9.3 U	11 U	12 U	11 U	12 U	17 U	11 U	12 U	9.4 U	8.9 U	11 U	140 U	9.9 U	9.9 U	9.2 U	10 U

Table 3
Soil Analytical Results-Pre-Injection
SVOCs in Soils
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PI-24-1D	PI-19-9S	PI-27-4D	PI-27-5D	PI-27-6D	PI-27-7D	PI-27-8D	PI-11-10	PI-11-11	PI-11-12	PI-11-13	PI-11-14	PI-11-15	PI-11-16	PI-11-2	PI-11-4	PI-11-5	PI-11-6	PI-11-7	PI-11-8	PI-11-9
Lab Sample ID	Objectives	JA37474-11	JA38084-19	JA38084-1	JA38084-3	JA38084-4	JA38084-5	JA38084-6	JA38355-18	JA38355-5	JA38355-19	JA38355-11	JA38355-16	JA38355-8	JA38355-9	JA38355-15	JA38355-14	JA38355-12	JA38355-2	JA38355-6	JA38355-10	JA38355-4
Date Sampled	RUSCOs	1/12/2010	1/20/2010	1/18/2010	1/18/2010	1/18/2010	1/18/2010	1/18/2010	1/22/2010	1/21/2010	1/22/2010	1/22/2010	1/22/2010	1/21/2010	1/21/2010	1/22/2010	1/22/2010	1/22/2010	1/21/2010	1/21/2010	1/22/2010	1/21/2010
SVOCs (µg/kg)																						
2-Chlorophenol	NS	38 U	35 U	35 U	33 U	34 U	35 U	37 U	220 U	170 U	170 U	160 U	170 U	170 U	43 U	180 U	35 U	180 U	170 U	170 U	160 U	170 U
4-Chloro-3-methyl phenol	NS	37 U	35 U	35 U	33 U	34 U	34 U	37 U	220 U	170 U	160 U	160 U	170 U	170 U	43 U	170 U	34 U	180 U	170 U	170 U	160 U	170 U
2,4-Dichlorophenol	NS	60 U	56 U	57 U	53 U	55 U	55 U	59 U	350 U	280 U	260 U	260 U	270 U	280 U	69 U	280 U	55 U	280 U	270 U	280 U	260 U	270 U
2,4-Dimethylphenol	NS	63 U	58 U	391	248	57 U	58 U	155 J	370 U	290 U	270 U	270 U	280 U	290 U	3750	290 U	58 U	290 U	9020	290 U	59400	646 J
2,4-Dinitrophenol	NS	45 U	42 U	43 U	40 U	41 U	42 U	45 U	270 U	210 U	200 U	200 U	200 U	210 U	52 U	210 U	42 U	210 U	200 U	210 U	200 U	200 U
4,6-Dinitro-o-cresol	NS	45 U	42 U	43 U	40 U	41 U	42 U	45 U	270 U	210 U	200 U	200 U	200 U	210 U	52 U	210 U	42 U	210 U	200 U	210 U	200 U	200 U
2-Methylphenol	NS	523	39 U	40 U	63.2 J	39 U	39 U	42 U	250 U	200 U	190 U	190 U	190 U	200 U	49 U	200 U	39 U	200 U	6880	200 U	29400	190 U
3&4-Methylphenol	NS	487	44 U	45 U	197	43 U	44 U	46 U	280 U	220 U	210 U	210 U	210 U	220 U	54 U	220 U	44 U	220 U	18000	220 U	76200	210 U
2-Nitrophenol	NS	39 U	37 U	37 U	35 U	36 U	36 U	39 U	230 U	180 U	170 U	170 U	180 U	180 U	45 U	190 U	36 U	190 U	180 U	180 U	170 U	180 U
4-Nitrophenol	NS	63 U	58 U	59 U	56 U	57 U	58 U	62 U	370 U	290 U	280 U	280 U	280 U	290 U	72 U	300 U	58 U	300 U	280 U	290 U	270 U	280 U
Pentachlorophenol	6,700	64 U	59 U	60 U	57 U	58 U	59 U	62 U	380 U	290 U	280 U	280 U	290 U	300 U	73 U	300 U	59 U	300 U	290 U	300 U	280 U	290 U
Phenol	500,000	39 U	36 U	37 U	72.0	36 U	36 U	38 U	230 U	180 U	170 U	170 U	180 U	180 U	94.8	180 U	36 U	180 U	9340	180 U	16500	180 U
2,4,5-Trichlorophenol	NS	43 U	40 U	41 U	38 U	39 U	40 U	42 U	260 U	200 U	190 U	190 U	190 U	200 U	49 U	200 U	40 U	200 U	190 U	200 U	190 U	190 U
2,4,6-Trichlorophenol	NS	35 U	32 U	33 U	31 U	32 U	32 U	34 U	210 U	160 U	150 U	150 U	160 U	160 U	40 U	160 U	32 U	160 U	160 U	160 U	150 U	160 U
Acenaphthene	500,000	161000	737	103000	29100	13600	378	132000	49000	25100	37500	84300	15400	1650	1020	70000	746	126000	53600	97100	288000	92900
Acenaphthylene	500,000	2960	62.2	13900	1780	281	37.5	11500	4380	1550	2030	663	571	708	90.9	473	22.6 J	2840	1390	1920	2190	4210
Anthracene	500,000	65700	856	51300	52200	8400	502	56100	32500	19100	18600	32800	12000	4200	739	27000	787	63100	22300	46000	212000	51100
Benzo(a)anthracene	5,600	11500	1470	18100	79000	7050	11 U	13900	32900	27900	10900	9130	8290	11900	459	7760	172	11900	13500	28800	145000	58200
Benzo(a)pyrene	1,000	7460	1290	12300	68400	5330	10 U	8180	31100	24900	10400	5440	7650	17200	401	4100	101	3430	11600	20400	124000	65100
Benzo(b)fluoranthene	5,600	6270	1290	11100	70100	5280	11 U	7240	31200	24300	8260	6260	6450	13600	368	3790	120	3370	10600	19500	126000	62800
Benzo(g,h,i)perylene	500,000	2900	1100	6400	33100	1500	13 U	2820	17500	11300	6020	2440	4470	11500	241	1920	53.8	991	6120	8260	61900	34500
Benzo(k)fluoranthene	56,000	5420	791	6080	31300	1300	13 U	4570	19600	16200	7870	2750	5370	13300	185	2620	58.1	2870	5420	14300	54300	31800
4-Bromophenyl phenyl ether	NS	14 U	13 U	13 U	12 U	12 U	12 U	13 U	80 U	62 U	59 U	59 U	61 U	63 U	15 U	63 U	12 U	64 U	61 U	63 U	58 U	61 U
Butyl benzyl phthalate	NS	22 U	20 U	20 U	19 U	20 U	20 U	21 U	130 U	99 U	95 U	94 U	97 U	100 U	25 U	100 U	20 U	100 U	97 U	100 U	93 U	97 U
2-Chloronaphthalene	NS	12 U	11 U	11 U	10 U	11 U	11 U	11 U	68 U	53 U	51 U	51 U	52 U	54 U	13 U	54 U	11 U	54 U	52 U	54 U	50 U	52 U
4-Chloroaniline	NS	12 U	11 U	11 U	11 U	11 U	11 U	12 U	70 U	55 U	52 U	52 U	53 U	55 U	14 U	56 U	11 U	56 U	54 U	55 U	52 U	54 U
Carbazole	NS	33000	354	17100	9190	1440	12100	14900	10900	4940	6930	8840	3420	784	176	7320	326	13000	7620	10300	72200	8400
Chrysene	56,000	9860	1750	17600	80400	3300	12 U	13200	35200	28600	12000	8670	9080	14300	468	7430	166	11400	14000	30700	169000	64300
bis(2-Chloroethoxy)methane	NS	15 U	14 U	14 U	13 U	14 U	14 U	15 U	89 U	69 U	66 U	66 U	68 U	70 U	17 U	71 U	14 U	71 U	68 U	70 U	65 U	68 U
bis(2-Chloroethyl)ether	NS	11 U	10 U	11 U	10 U	10 U	10 U	11 U	66 U	52 U	49 U	49 U	50 U	52 U	13 U	53 U	10 U	53 U	50 U	52 U	49 U	50 U
bis(2-Chloroisopropyl)ether	NS	11 U	10 U	10 U	9.8 U	10 U	10 U	11 U	65 U	51 U	49 U	48 U	50 U	51 U	13 U	52 U	10 U	52 U	50 U	51 U	48 U	50 U
4-Chlorophenyl phenyl ether	NS	11 U	10 U	11 U	10 U	10 U	10 U	11 U	66 U	52 U	49 U	49 U	50 U	52 U	13 U	53 U	10 U	53 U	50 U	52 U	49 U	50 U
1,2-Dichlorobenzene	500,000	11 U	9.9 U	10 U	9.5 U	9.8 U	9.9 U	11 U	63 U	49 U	47 U	47 U	48 U	50 U	12 U	50 U	9.9 U	50 U	48 U	50 U	46 U	48 U
1,3-Dichlorobenzene	280,000	10 U	9.3 U	9.4 U	8.9 U	9.1 U	9.2 U	9.8 U	59 U	46 U	44 U	44 U	45 U	46 U	11 U	47 U	9.2 U	47 U	45 U	46 U	43 U	45 U
1,4-Dichlorobenzene	130,000	8.3 U	7.7 U	7.8 U	7.4 U	7.6 U	7.6 U	8.1 U	49 U	38 U	36 U	36 U	37 U	39 U	9.5 U	39 U	7.7 U	39 U	37 U	39 U	36 U	37 U
2,4-Dinitrotoluene	NS	16 U	15 U	15 U	14 U	15 U	15 U	16 U	96 U	75 U	72 U	71 U	73 U	76 U	19 U	76 U	15 U	76 U	73 U	76 U	70 U	73 U
2,6-Dinitrotoluene	NS	14 U	13 U	13 U	13 U	13 U	13 U	14 U	84 U	65 U	62 U	62 U	64 U	66 U	16 U	67 U	13 U	67 U	64 U	66 U	61 U	64 U
3,3'-Dichlorobenzidine	NS	9.5 U	8.8 U	8.9 U	8.4 U	8.6 U	8.7 U	9.3 U	56 U	44 U	42 U	41 U	42 U	44 U	11 U	44 U	8.7 U	44 U	43 U	44 U	41 U	42 U
Dibenzo(a,h)anthracene	560	913	434	1890	13100	645	12 U	1110	5810	4060	1830	877	1420	3590	68.0	655	12 U	397	1830	3640	20600	9590
Dibenzofuran	350,000	143000	606	91300	15500	10800	1460	220 U	36500	20900	27900	64900	11000	822	868	49700	637	89600	46400	74300	228000	65500
Di-n-butyl phthalate	NS	8.3 U	7.7 U	7.8 U	7.3 U	7.6 U	7.6 U	8.1 U	49 U	38 U	36 U	36 U	37 U	38 U	9.5 U	39 U	7.6 U	39 U	37 U	38 U	36 U	37 U
Di-n-octyl phthalate	NS	18 U	17 U	17 U	16 U	17 U	17 U	18 U	110 U	84 U	80 U	79 U	81 U	84 U	21 U	85 U	17 U	85 U	82 U	84 U	78 U	81 U
Diethyl phthalate	NS	13 U	12 U	12 U	11 U	12 U	12 U	12 U	75 U	59 U	56 U	56 U	57 U	59 U	15 U	60 U	12 U	60 U	57 U	59 U	55 U	57 U
Dimethyl phthalate	NS	13 U	42.8 J	12 U	12 U	12 U	12 U	13 U	77 U	60 U	58 U	57 U	59 U	61 U	15 U	61 U	12 U	62 U	59 U	61 U	57 U	59 U
bis(2-Ethylhexyl)phthalate	NS	33 U	343	69.0 J	29 U	30 U	91.9	315	190 U	150 U	140 U	140 U	150 U	150 U	38 U	150 U	30 U	150 U	150 U	140 U	150 U	150 U
Fluoranthene	500,000	65100	4710	69400	170000	17200	21.9 J	64500	79700	65900	39000	42700	30900	19100	1660	49400	808	93300	46600	82800	468000	148000
Fluorene	500,000	131000	556	85800	23100	11500	3390	107000	38300	17100	28300	62700	14200	1350	698	43000	708	88500	39000	75000	251000	68100
Hexachlorobenzene	6,000	12 U	11 U	11 U	11 U	11 U	11 U	12 U	72 U	56 U	53 U	53 U	54 U	56 U	14 U	57 U	11 U	57 U	55 U	56 U	53 U	55 U
Hexachlorobutadiene	NS	10 U	9.6 U	9.8 U	9.2 U	9.5 U	9.5 U	10 U	61 U	48 U	45 U	45 U	46 U	48 U	12 U	49 U	9.6 U	49 U	47 U	48 U	45 U	46 U
Hexachlorocyclopentadiene	NS	38 U	35 U	36 U	34 U	35 U	35 U	37 U	220 U	180 U	170 U	170 U	170 U	180 U	43 U	180 U	35 U	180 U	170 U	180 U	160 U	170 U
Hexachloroethane	NS	10 U	9.6 U	9.8 U	9.2 U	9.5 U	9.5 U	10 U	61 U	48 U	45 U	45 U	46 U	48 U	12 U	49 U	9.6 U	49 U	47 U	48 U	45 U	46 U
Indeno(1,2,3-cd)pyrene	5,600	2800	818	5290	32900	1510	12 U	2720	15400	10300	5030	2220	4070	9920	210	1740	53.1	964	5010	7650	56100	30400
Isophorone	NS	10 U	9.3 U	9.4 U	8.9 U	9.1 U	9.2 U	9.8 U	59 U	46 U	44 U	44 U	45 U	46 U	11 U	47 U	9.2 U	47 U	45 U	47 U	43 U	45 U
2-Methylnaphthalene	NS	416000	597	189000	5490	12000	1380	338000	34200	13900	44100	11600	1790	256 J	819	72700	546	142000	17700	4180	274000	39300
2-Nitroaniline	NS	16 U	15 U	15 U	15 U	15 U	15 U	16 U	97 U	76 U	72 U	72 U	74 U	76 U	19 U	77 U	15 U	77 U	74 U	76 U		

Table 3
Soil Analytical Results-Pre-Injection
TPHs in Soils
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PI-24-1D	PI-24-1S	PI-24-2D	PI-24-2S	PI-24-3D	PI-24-3S
Lab Sample ID	Objectives	JA37474-11	JA37474-1	JA37474-12	JA37474-2	JA37474-13	JA37474-4
Date Sampled	RUSCOs	1/12/2010	1/11/2010	1/12/2010	1/11/2010	1/12/2010	1/11/2010
TPH-GRO (C6-C10) (µg/kg)	NS	1160	1.3 U	1190	600	625	41.7
TPH-DRO (C10-C28) (µg/kg)	NS	16000	558	12000	17600	26700	13800

Notes:

Commerical RUSCOs refer to the 6 New York State Code of Rules and Regulations

(NYCRR) Table 375-6.8(b) Restricted Use Soil

Cleanup Objectives (RUSCOs) for Commercial Facilities;

Values above RUSCOs in **BOLD**

TPH GRO -Total Petroleum Hydrocarbons, Gasoline Ranged Organics

TPH DRO -Total Petroleum Hydrocarbons, Diesel Ranged Organics

µg/kg - micrograms per kilogram

NS - No standard

U - Below detection limit

J - Estimated value detected above qualitative method detection limit (MDL) &
below the quantitative reporting detection limit (RDL).

Table 3
Soil Analytical Results-Pre-Injection
TPHs in Soils
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PI-24-4D	PI-24-4S	PI-24-5D	PI-24-5S	PI-24-6S	PI-24-7S	PI-24-8S
Lab Sample ID	Objectives	JA37474-14	JA37474-5	JA37474-15	JA37474-6	JA37474-7	JA37474-8	JA37474-10
Date Sampled	RUSCOs	1/12/2010	1/11/2010	1/12/2010	1/11/2010	1/11/2010	1/12/2010	1/12/2010
TPH-GRO (C6-C10) (µg/kg)	NS	5200	4420	122	1.4 U	1.7 U	93.9	1.5 U
TPH-DRO (C10-C28) (µg/kg)	NS	15800	10500	15900	111	1280	2490	18600

Notes:

Commerical RUSCOs refer to the 6 New York Stat
(NYCRR) Table 375-6.8(b) Restricted Use Soil
Cleanup Objectives (RUSCOs) for Commercial Fa
Values above RUSCOs in **BOLD**
TPH GRO -Total Petroleum Hydrocarbons, Gasolir
TPH DRO -Total Petroleum Hydrocarbons, Diesel
µg/kg - micrograms per kilogram
NS - No standard
U - Below detection limit
J - Estimated value detected above qualitative met
below the quantitative reporting detection limit (RD)

Table 4
Groundwater Analytical Results-Pre-Injection
VOCs in Groundwater
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory Objectives	PI-24-S1		PI-24-S2		PI-24-S3		PI-24-S4		PI-24-S5		PI-24-S6		PI-24-S7		PI-24-S8		PI-27-S1		PI-27-S2		PI-27-S3		PI-19-S1		PI-19-S2		PI-19-S3		PI-19-S4	
Lab Sample ID	TOGS GA AWQS	JA37474-3		JA37474-9		JA37789-4		JA37789-5		JA37789-6		JA37789-9		JA37789-11		JA37789-13		JA37789-17		JA37789-19		JA37789-21		JA38084-17		JA38084-26		JA38084-30		JA38084-16	
Date Sampled		1/11/2010		1/12/2010		1/13/2010		1/13/2010		1/13/2010		1/14/2010		1/14/2010		1/14/2010		1/14/2010		1/15/2010		1/15/2010		1/20/2010		1/19/2010		1/20/2010		1/20/2010	
VOCs (µg/L)																															
Acetone	50	5.7	U	2.9	U	2.9	U	72	U	140	U	57	U	140	U	72	U	290	U	29	U	72	U	57	U	72	U	290	U	29	U
Benzene	1	1.3	J	30.7		41.6		3190		1150		38.5		842		84.4		1940		36.0		1940		5070		3200		1330		127	
Bromodichloromethane	50	0.44	U	0.22	U	0.22	U	5.5	U	11	U	4.4	U	11	U	5.5	U	22	U	2.2	U	5.5	U	4.4	U	5.5	U	22	U	2.2	U
Bromoform	50	0.46	U	0.23	U	0.23	U	5.8	U	12	U	4.6	U	12	U	5.8	U	23	U	2.3	U	5.8	U	4.6	U	5.8	U	23	U	2.3	U
Bromomethane	5	0.59	U	0.30	U	0.30	U	7.4	U	15	U	5.9	U	15	U	7.4	U	30	U	3.0	U	7.4	U	5.9	U	7.4	U	30	U	3.0	U
2-Butanone (MEK)	50	3.2	U	1.6	U	1.6	U	41	U	81	U	32	U	81	U	41	U	160	U	16	U	41	U	32	U	41	U	160	U	16	U
Carbon disulfide	60	1.5	U	0.74	U	0.74	U	18	U	37	U	15	U	37	U	18	U	74	U	7.4	U	18	U	15	U	18	U	74	U	7.4	U
Carbon tetrachloride	5	0.51	U	0.26	U	0.26	U	6.4	U	13	U	5.1	U	13	U	6.4	U	26	U	2.6	U	6.4	U	5.1	U	6.4	U	26	U	2.6	U
Chlorobenzene	5	0.78	U	0.39	U	0.39	U	9.7	U	19	U	7.8	U	19	U	9.7	U	39	U	3.9	U	9.7	U	7.8	U	9.7	U	39	U	3.9	U
Chloroethane	5	0.74	U	0.37	U	0.37	U	9.3	U	19	U	7.4	U	19	U	9.3	U	37	U	3.7	U	9.3	U	7.4	U	9.3	U	37	U	3.7	U
Chloroform	7	0.47	U	0.23	U	0.23	U	5.9	U	12	U	4.7	U	12	U	5.9	U	23	U	2.3	U	5.9	U	4.7	U	5.9	U	23	U	2.3	U
Chloromethane	NS	0.58	U	0.29	U	0.29	U	7.2	U	14	U	5.8	U	14	U	7.2	U	29	U	2.9	U	7.2	U	5.8	U	7.2	U	29	U	2.9	U
Dibromochloromethane	50	0.43	U	0.22	U	0.22	U	5.4	U	11	U	4.3	U	11	U	5.4	U	22	U	2.2	U	5.4	U	4.3	U	5.4	U	22	U	2.2	U
1,1-Dichloroethane	5	0.57	U	0.29	U	0.29	U	7.2	U	14	U	5.7	U	14	U	7.2	U	29	U	2.9	U	7.2	U	5.7	U	7.2	U	29	U	2.9	U
1,2-Dichloroethane	0.6	0.67	U	0.33	U	0.33	U	8.3	U	17	U	6.7	U	17	U	8.3	U	33	U	3.3	U	8.3	U	6.7	U	8.3	U	33	U	3.3	U
1,1-Dichloroethene	5	0.79	U	0.40	U	0.40	U	9.9	U	20	U	7.9	U	20	U	9.9	U	40	U	4.0	U	9.9	U	7.9	U	9.9	U	40	U	4.0	U
cis-1,2-Dichloroethene	5	0.43	U	0.22	U	0.22	U	5.4	U	11	U	4.3	U	11	U	5.4	U	22	U	2.2	U	5.4	U	4.3	U	5.4	U	22	U	2.2	U
trans-1,2-Dichloroethene	5	0.50	U	0.25	U	0.25	U	6.2	U	12	U	5.0	U	12	U	6.2	U	25	U	2.5	U	6.2	U	5.0	U	6.2	U	25	U	2.5	U
1,2-Dichloroethene (total)	NS	0.43	U	0.22	U	0.22	U	5.4	U	11	U	4.3	U	11	U	5.4	U	22	U	2.2	U	5.4	U	4.3	U	5.4	U	22	U	2.2	U
1,2-Dichloropropane	1	0.55	U	0.27	U	0.27	U	6.8	U	14	U	5.5	U	14	U	6.8	U	27	U	2.7	U	6.8	U	5.5	U	6.8	U	27	U	2.7	U
cis-1,3-Dichloropropene	NS	0.50	U	0.25	U	0.25	U	6.2	U	12	U	5.0	U	12	U	6.2	U	25	U	2.5	U	6.2	U	5.0	U	6.2	U	25	U	2.5	U
trans-1,3-Dichloropropene	NS	0.43	U	0.21	U	0.21	U	5.3	U	11	U	4.3	U	11	U	5.3	U	21	U	2.1	U	5.3	U	4.3	U	5.3	U	21	U	2.1	U
Ethylbenzene	5	247		12.6		1.4		119		1690		979		1020		1430		1240		835		1600		3470		1770		1560		1440	
2-Hexanone	50	2.8	U	1.4	U	1.4	U	35	U	70	U	28	U	70	U	35	U	140	U	14	U	35	U	28	U	35	U	140	U	14	U
Methyl Tert Butyl Ether	10	0.47	U	0.23	U	0.23	U	5.8	U	12	U	4.7	U	12	U	5.8	U	23	U	2.3	U	5.8	U	4.7	U	5.8	U	23	U	2.3	U
4-Methyl-2-pentanone(MIBK)	NS	1.7	U	0.86	U	0.86	U	21	U	43	U	17	U	43	U	21	U	86	U	8.6	U	21	U	17	U	21	U	86	U	8.6	U
Methylene chloride	5	0.61	U	0.30	U	0.30	U	7.6	U	15	U	6.1	U	15	U	7.6	U	30	U	3.0	U	7.6	U	6.1	U	7.6	U	30	U	3.0	U
Styrene	5	1.2	U	0.58	U	0.58	U	14	U	29	U	12	U	29	U	14	U	58	U	5.8	U	14	U	12	U	14	U	58	U	5.8	U
1,1,2,2-Tetrachloroethane	5	0.48	U	0.24	U	0.24	U	6.0	U	12	U	4.8	U	12	U	6.0	U	24	U	2.4	U	6.0	U	4.8	U	6.0	U	24	U	2.4	U
Tetrachloroethene	5	0.53	U	0.27	U	0.27	U	6.6	U	13	U	5.3	U	13	U	6.6	U	27	U	2.7	U	6.6	U	5.3	U	6.6	U	27	U	2.7	U
Toluene	5	7.5		29.8		7.4		1580		11000		548		12900		6120		21600		716		5740		3360		5900		14400		1690	
1,1,1-Trichloroethane	5	0.51	U	0.26	U	0.26	U	6.4	U	13	U	5.1	U	13	U	6.4	U	26	U	2.6	U	6.4	U	5.1	U	6.4	U	26	U	2.6	U
1,1,2-Trichloroethane	1	0.46	U	0.23	U	0.23	U	5.8	U	12	U	4.6	U	12	U	5.8	U	23	U	2.3	U	5.8	U	4.6	U	5.8	U	23	U	2.3	U
Trichloroethene	5	0.48	U	0.24	U	0.24	U	6.0	U	12	U	4.8	U	12	U	6.0	U	24	U	2.4	U	6.0	U	4.8	U	6.0	U	24	U	2.4	U
Vinyl chloride	2	0.89	U	0.44	U	0.44	U	11	U	22	U	8.9	U	22	U	11	U	44	U	4.4	U	11	U	8.9	U	11	U	44	U	4.4	U
Xylene (total)	5	1080		57.5		6.7		761		7390		4490		4100		5610		5370		3800		8100		12200		6110		7540		5040	
Total VOCs		1335.8		130.6		57.1		5650		21230		6055.5		18862		13244.4		30150		5387		17380		24100		16980		24830		8297	

Notes:
TOGS = Technical and Operational Guidance Series 1.1.1
Ambient Water Quality Standards (AWQS) and Guidance Values
and Groundwater Effluent Standards dated June 1998
and associated errata and addendums;
Values listed are standards and guidance values
(whichever applicable) for Class GA Groundwater;
Values above TOGS in **BOLD**
VOCs - Volatile organic compounds
NS - No standard
µg/L- micrograms per liter
U - Below detection limit
J - Estimated values detected above qualitative method detection limit (MDL)
& below the quantitative reporting detection limit (RDL).

Table 4
Groundwater Analytical Results-Pre-Injection
VOCs in Groundwater
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory Objectives	PI-19-S5	PI-19-S6	PI-19-S7	PI-19-S8	PI-27-S4	PI-27-S5	PI-27-S8	PI-11-S3	PI-11-S6	PI-11-S7	PI-11-S8	PI-19-S2	PI-11-S1	PI-11-S4	PI-11-S5	TRIP BLANK																
Lab Sample ID	TOGS GA AWQS	JA38084-22	JA38084-29	JA38084-33	JA38084-31	JA38084-2	JA38084-7	JA38084-10	JA38355-3	JA38355-7	JA38355-13	JA38355-21	JA38355-1	JA38860-1	JA38860-2	JA38860-3	JA38355-20																
Date Sampled		1/20/2010	1/20/2010	1/20/2010	1/20/2010	1/18/2010	1/18/2010	1/19/2010	1/21/2010	1/21/2010	1/22/2010	1/22/2010	1/20/2010	1/25/2010	1/27/2010	1/27/2010	1/22/2010																
VOCs (µg/L)																																	
Acetone	50	140	U	290	U	290	U	140	U	5.7	U	290	U	290	U	29	U	57	U	2.9	U	2.9	U	14	U	29	U	2.9	U				
Benzene	1	71.7		1280		3680		4050		367		11400		4230		2420		68.0		21.5		27.6		147		21.7		61.2		1390		0.23	U
Bromodichloromethane	50	11	U	22	U	22	U	11	U	0.44	U	22	U	22	U	2.2	U	4.4	U	0.22	U	0.22	U	1.1	U	2.2	U	0.22	U	2.2	U	0.22	U
Bromoform	50	12	U	23	U	23	U	12	U	0.46	U	23	U	23	U	2.3	U	4.6	U	0.23	U	0.23	U	1.2	U	2.3	U	0.23	U	2.3	U	0.23	U
Bromomethane	5	15	U	30	U	30	U	15	U	0.59	U	30	U	30	U	3.0	U	5.9	U	0.30	U	0.30	U	1.5	U	3.0	U	0.30	U	3.0	U	0.30	U
2-Butanone (MEK)	50	81	U	160	U	160	U	81	U	3.2	U	160	U	160	U	16	U	32	U	1.6	U	1.6	U	8.1	U	16	U	1.6	U	16	U	1.6	U
Carbon disulfide	60	37	U	74	U	74	U	37	U	1.5	U	74	U	74	U	12.1	J	15	U	1.0	J	1.1	J	5.3	J	7.4	U	0.74	U	7.4	U	0.74	U
Carbon tetrachloride	5	13	U	26	U	26	U	13	U	0.51	U	26	U	26	U	2.6	U	5.1	U	0.26	U	0.26	U	1.3	U	2.6	U	0.26	U	2.6	U	0.26	U
Chlorobenzene	5	19	U	39	U	39	U	19	U	0.78	U	39	U	39	U	3.9	U	7.8	U	0.39	U	0.39	U	1.9	U	3.9	U	0.39	U	3.9	U	0.39	U
Chloroethane	5	19	U	37	U	37	U	19	U	0.74	U	37	U	37	U	3.7	U	7.4	U	0.37	U	0.37	U	1.9	U	3.7	U	0.37	U	3.7	U	0.37	U
Chloroform	7	12	U	23	U	23	U	12	U	0.47	U	23	U	23	U	2.3	U	4.7	U	0.23	U	0.23	U	1.2	U	2.3	U	0.23	U	2.3	U	0.23	U
Chloromethane	NS	14	U	29	U	29	U	14	U	0.58	U	29	U	29	U	2.9	U	5.8	U	0.29	U	0.29	U	1.4	U	2.9	U	0.29	U	2.9	U	0.29	U
Dibromochloromethane	50	11	U	22	U	22	U	11	U	0.43	U	22	U	22	U	2.2	U	4.3	U	0.22	U	0.22	U	1.1	U	2.2	U	0.22	U	2.2	U	0.22	U
1,1-Dichloroethane	5	14	U	29	U	29	U	14	U	0.57	U	29	U	29	U	2.9	U	5.7	U	0.29	U	0.29	U	1.4	U	2.9	U	0.29	U	2.9	U	0.29	U
1,2-Dichloroethane	0.6	17	U	33	U	33	U	17	U	0.67	U	33	U	33	U	3.3	U	6.7	U	0.33	U	0.33	U	1.7	U	3.3	U	0.33	U	3.3	U	0.33	U
1,1-Dichloroethene	5	20	U	40	U	40	U	20	U	0.79	U	40	U	40	U	4.0	U	7.9	U	0.40	U	0.40	U	2.0	U	4.0	U	0.40	U	4.0	U	0.40	U
cis-1,2-Dichloroethene	5	11	U	22	U	22	U	11	U	0.43	U	22	U	22	U	2.2	U	4.3	U	0.22	U	0.22	U	1.1	U	2.2	U	0.22	U	2.2	U	0.22	U
trans-1,2-Dichloroethene	5	12	U	25	U	25	U	12	U	0.50	U	25	U	25	U	2.5	U	5.0	U	0.25	U	0.25	U	1.2	U	2.5	U	0.25	U	2.5	U	0.25	U
1,2-Dichloroethene (total)	NS	11	U	22	U	22	U	11	U	0.43	U	22	U	22	U	2.2	U	4.3	U	0.22	U	0.22	U	1.1	U	2.2	U	0.22	U	2.2	U	0.22	U
1,2-Dichloropropane	1	14	U	27	U	27	U	14	U	0.55	U	27	U	27	U	2.7	U	5.5	U	0.27	U	0.27	U	1.4	U	2.7	U	0.27	U	2.7	U	0.27	U
cis-1,3-Dichloropropene	NS	12	U	25	U	25	U	12	U	0.50	U	25	U	25	U	2.5	U	5.0	U	0.25	U	0.25	U	1.2	U	2.5	U	0.25	U	2.5	U	0.25	U
trans-1,3-Dichloropropene	NS	11	U	21	U	21	U	11	U	0.43	U	21	U	21	U	2.1	U	4.3	U	0.21	U	0.21	U	1.1	U	2.1	U	0.21	U	2.1	U	0.21	U
Ethylbenzene	5	14200		1680		2160		1420		217		1810		734		260		1380		59.8		54.3		720		901		226		180		0.27	U
2-Hexanone	50	70	U	140	U	140	U	70	U	2.8	U	140	U	140	U	14	U	28	U	1.4	U	1.4	U	7.0	U	14	U	1.4	U	14	U	1.4	U
Methyl Tert Butyl Ether	10	12	U	23	U	23	U	12	U	0.47	U	23	U	23	U	2.3	U	4.7	U	0.23	U	0.23	U	13.5		2.3	U	0.23	U	2.3	U	0.23	U
4-Methyl-2-pentanone(MIBK)	NS	43	U	86	U	86	U	43	U	1.7	U	86	U	86	U	8.6	U	17	U	0.86	U	0.86	U	4.3	U	8.6	U	0.86	U	8.6	U	0.86	U
Methylene chloride	5	15	U	30	U	30	U	15	U	0.61	U	30	U	30	U	3.0	U	6.1	U	0.30	U	0.30	U	1.5	U	3.0	U	0.30	U	3.0	U	0.30	U
Styrene	5	29	U	58	U	58	U	29	U	1.2	U	58	U	58	U	5.8	U	12	U	0.58	U	0.58	U	2.9	U	5.8	U	0.58	U	5.8	U	0.58	U
1,1,2,2-Tetrachloroethane	5	12	U	24	U	24	U	12	U	0.48	U	24	U	24	U	2.4	U	4.8	U	0.24	U	0.24	U	1.2	U	2.4	U	0.24	U	2.4	U	0.24	U
Tetrachloroethene	5	13	U	27	U	27	U	13	U	0.53	U	27	U	27	U	2.7	U	5.3	U	0.27	U	0.27	U	1.3	U	2.7	U	0.27	U	2.7	U	0.27	U
Toluene	5	1180		14700		15300		5720		286		5640		10800		257		91.9		31.4		23.5		266		46.4		7.7		8.8	J	0.30	U
1,1,1-Trichloroethane	5	13	U	26	U	26	U	13	U	0.51	U	26	U	26	U	2.6	U	5.1	U	0.26	U	0.26	U	1.3	U	2.6	U	0.26	U	2.6	U	0.26	U
1,1,2-Trichloroethane	1	12	U	23	U	23	U	12	U	0.46	U	23	U	23	U	2.3	U	4.6	U	0.23	U	0.23	U	1.2	U	2.3	U	0.23	U	2.3	U	0.23	U
Trichloroethene	5	12	U	24	U	24	U	12	U	0.48	U	24	U	24	U	2.4	U	4.8	U	0.24	U	0.24	U	1.2	U	2.4	U	0.24	U	2.4	U	0.24	U
Vinyl chloride	2	22	U	44	U	44	U	22	U	0.89	U	44	U	44	U	4.4	U	8.9	U	0.44	U	0.44	U	2.2	U	4.4	U	0.44	U	4.4	U	0.44	U
Xylene (total)	5	73300		7700		9680		4620		645		9430		3850		730		2170		126		110		558		1130		298		62.5		0.25	U
Total VOCs		88751.7		25360		30820		15810		1515		28280		19614		3667		3709.9		238.7		215.4		1691		2099.1		592.9		1641.3		1.05	

Notes:
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and Groundwater Effluent Standards dated June 1998
and associated errata and addendums;
Values listed are standards and guidance values
(whichever applicable) for Class GA Groundwater;
Values above TOGS in **BOLD**
VOCs - Volatile organic compounds
NS - No standard
µg/L- micrograms per liter
U - Below detection limit
J - Estimated values detected above qualitative method detection limit
& below the quantitative reporting detection limit (RDL).

Table 4
Groundwater Analytical Results-Pre-Injection
SVOCs in Groundwater
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory Objectives	PI-24-S1 JA37474-3 1/11/2010	PI-24-S2 JA37474-9 1/12/2010	PI-24-S3 JA37789-4 1/13/2010	PI-24-S4 JA37789-5 1/13/2010	PI-24-S5 JA37789-6 1/13/2010	PI-24-S6 JA37789-9 1/14/2010	PI-24-S7 JA37789-11 1/14/2010	PI-24-S8 JA37789-13 1/14/2010	PI-27-S1 JA37789-17 1/14/2010	PI-27-S2 JA37789-19 1/15/2010	PI-27-S3 JA37789-21 1/15/2010	PI-19-S1 JA38084-17 1/20/2010	PI-19-S2 JA38084-26 1/19/2010	PI-19-S3 JA38084-30 1/20/2010	PI-19-S4 JA38084-16 1/20/2010	
SVOCs (µg/L)																	
2-Chlorophenol	NS	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
4-Chloro-3-methyl phenol	NS	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
2,4-Dichlorophenol	5	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
2,4-Dimethylphenol	1	10.1		8.1		36.0		1430		666		3.4	J	50.6		28.7	
2,4-Dinitrophenol	10	0.74	U	0.74	U	0.74	U	0.74	U	0.74	U	0.74	U	0.74	U	0.74	U
4,6-Dinitro-o-cresol	NS	0.51	U	0.51	U	0.51	U	0.51	U	0.51	U	0.51	U	0.51	U	0.51	U
2-Methylphenol	NS	4.5		3.6		23.6		902		70.8		1.1	U	31.6		102	
3&4-Methylphenol	NS	13.5		8.9		53.0		1680		99.8		6.5		59.9		256	
2-Nitrophenol	1	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
4-Nitrophenol	1	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U
Pentachlorophenol	NS	0.80	U	0.80	U	0.80	U	0.80	U	0.80	U	0.80	U	0.80	U	0.80	U
Phenol	1	0.58	U	0.58	U	12.0		339		17.7		3.0		0.58	U	0.58	U
2,4,5-Trichlorophenol	1	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
2,4,6-Trichlorophenol	1	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
Acenaphthene	20	507		440		14.5		53.5		279		609		287		638	
Acenaphthylene	NS	20.6		8.6		2.9		70.5		7.6		24.0		11.3		17.6	
Anthracene	50	217		80.5		4.9		45.8		27.7		165		54.3		257	
Benzo(a)anthracene	0.002	48.7		17.2		4.5		27.4		2.0		33.1		6.4		27.5	
Benzo(a)pyrene	0.002	36.4		11.8		5.6		26.1		0.93	J	23.6		3.5		12.4	
Benzo(b)fluoranthene	0.002	24.9		8.6		4.6		17.5		0.95	J	14.5		2.3		11.2	
Benzo(g,h,i)perylene	5	15.9		5.3		5.4		15.4		0.48	J	11.2		1.7		5.4	
Benzo(k)fluoranthene	0.002	25.1		6.9		3.2		18.6		0.55	J	18.0		3.0		7.6	
4-Bromophenyl phenyl ether	NS	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
Butyl benzyl phthalate	50	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
2-Chloronaphthalene	10	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
4-Chloroaniline	5	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
Carbazole	NS	152		205		7.2		169		250		75.2		252		293	
Chrysene	0.002	42.9		14.6		4.8		32.2		1.7		30.3		5.9		25.3	
bis(2-Chloroethoxy)methane	5	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
bis(2-Chloroethyl)ether	1	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U
bis(2-Chloroisopropyl)ether	NS	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U
4-Chlorophenyl phenyl ether	NS	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U
1,2-Dichlorobenzene	3	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U
1,3-Dichlorobenzene	3	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U
1,4-Dichlorobenzene	3	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U
2,4-Dinitrotoluene	5	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
2,6-Dinitrotoluene	5	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U
3,3'-Dichlorobenzidine	5	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U
Dibenzo(a,h)anthracene	50	7.0		2.1		1.4		4.2		0.15	U	4.4		0.64	J	2.3	
Dibenzofuran	NS	492		396		16.0		80.7		199		525		217		540	
Di-n-butyl phthalate	50	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U
Di-n-octyl phthalate	50	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U
Diethyl phthalate	50	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U
Dimethyl phthalate	50	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U
bis(2-Ethylhexyl)phthalate	5	0.33	U	1.2	J	5.1	B	5.0	B	2.2	B	2.4	B	8.5	B	3.4	B
Fluoranthene	50	178		69.2		11.1		75.4		12.9		173		30.9		191	
Fluorene	50	442		327		14.8		72.4		141		411		184		524	
Hexachlorobenzene	0.04	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Hexachlorobutadiene	0.5	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U	0.37	U
Hexachlorocyclopentadiene	5	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U	0.67	U
Hexachloroethane	5	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U	0.26	U
Indeno(1,2,3-cd)pyrene	0.002	15.1		4.9		3.5		12.7		0.45	J	10.2		1.5		5.0	
Isophorone	5	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
2-Methylnaphthalene	NS	1470		1500		30.6		225		951		2000		1040		1990	
2-Nitroaniline	5	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
3-Nitroaniline	5	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U
4-Nitroaniline	5	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Naphthalene	10	7360		9140		189		4680		11300		14900		12300		13500	
Nitrobenzene	0.4	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U
N-Nitroso-di-n-propylamine	NS	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U
N-Nitrosodiphenylamine	50	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U
Phenanthrene	50	757		498		23.6		218		132		654		224		826	
Pyrene	50	141		53.4		10.2		70.9		9.4		127		24.8		133	
1,2,4-Trichlorobenzene	5	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U
Total SVOCs		11955.6		12802.8		482.4		10266.3		14170.56		19800.4		14789.34		19283.4	

Notes:

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(whichever applicable) for Class GA Groundwater;
Values above TOGS in **BOLD**
SVOCs - Semi-Volatile organic compounds
NS - No standard
µg/L- micrograms per liter
U - Below detection limit
J - Estimated values detected above qualitative method detection limit (MDL)
& below the quantitative reporting detection limit (RDL).

Table 4
Groundwater Analytical Results-Pre-Injection
SVOCs in Groundwater
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory Objectives	PI-19-S5	PI-19-S6	PI-19-S7	PI-19-S8	PI-27-S4	PI-27-S5	PI-27-S8	PI-11-S1	PI-11-S3	PI-11-S6	PI-11-S7	PI-11-S8	PI-19-S2	PI-11-S4	PI-11-S5	
Lab Sample ID	TOGS GA AWQS	JA38084-22	JA38084-29	JA38084-33	JA38084-31	JA38084-2	JA38084-7	JA38084-10	JA38355-17	JA38355-3	JA38355-7	JA38355-13	JA38355-21	JA38355-1	JA38860-2	JA38860-3	
Date Sampled		1/20/2010	1/20/2010	1/20/2010	1/20/2010	1/18/2010	1/18/2010	1/19/2010	1/22/2010	1/21/2010	1/21/2010	1/22/2010	1/22/2010	1/20/2010	1/27/2010	1/27/2010	
SVOCs (µg/L)																	
2-Chlorophenol	NS	1.1	U	1.1	U	11	U	1.1	U	1.1	U	11	U	1.1	U	1.1	U
4-Chloro-3-methyl phenol	NS	1.1	U	1.1	U	11	U	1.1	U	1.1	U	11	U	1.1	U	1.1	U
2,4-Dichlorophenol	5	1.2	U	1.2	U	12	U	1.2	U	1.2	U	12	U	1.2	U	1.2	U
2,4-Dimethylphenol	1	5.3		213		306		1950		20.7		2940		1260		17.1	
2,4-Dinitrophenol	10	0.74	U	0.74	U	7.4	U	0.74	U	0.74	U	7.4	U	0.74	U	0.74	U
4,6-Dinitro-o-cresol	NS	0.51	U	0.51	U	5.1	U	0.51	U	0.51	U	5.1	U	0.51	U	0.51	U
2-Methylphenol	NS	2.3		29.4		11	U	159		10.5		270		94.8		11	U
3&4-Methylphenol	NS	8.0		58.2		10	U	203		1.0	U	306		143		10	U
2-Nitrophenol	1	1.2	U	1.2	U	12	U	1.2	U	1.2	U	12	U	1.2	U	1.2	U
4-Nitrophenol	1	0.83	U	0.83	U	8.3	U	0.83	U	0.83	U	8.3	U	0.83	U	0.83	U
Pentachlorophenol	NS	0.80	U	0.80	U	8.0	U	0.80	U	0.80	U	8.0	U	0.80	U	0.80	U
Phenol	1	2.7		13.3		5.8	U	25.9		0.58	U	157		39.2		5.8	U
2,4,5-Trichlorophenol	1	1.3	U	1.3	U	13	U	1.3	U	1.3	U	13	U	1.3	U	1.3	U
2,4,6-Trichlorophenol	1	1.2	U	1.2	U	12	U	1.2	U	1.2	U	12	U	1.2	U	1.2	U
Acenaphthene	20	78.4		193		199		168		49.9		487		148		209	
Acenaphthylene	NS	3.7		5.4		4.6	J	7.8		1.8		42.1		19.2		8.3	J
Anthracene	50	47.5		20.6		26.4		34.1		8.2		166		20.4		23.3	
Benzo(a)anthracene	0.002	7.8		1.8		1.2	U	2.5		1.5		40.4		1.7		5.2	J
Benzo(a)pyrene	0.002	3.9		1.1		0.95	U	1.5		0.58	J	24.9		1.1		3.5	J
Benzo(b)fluoranthene	0.002	4.4		2.5		2.5	U	2.7		0.25	U	19.2		2.5		0.25	U
Benzo(g,h,i)perylene	5	1.7		0.52	J	1.2	U	0.76	J	0.44	J	12.0		0.57	J	1.2	U
Benzo(k)fluoranthene	0.002	3.2		0.58	J	3.8	U	1.1		0.44	J	15.0		0.70	J	3.8	U
4-Bromophenyl phenyl ether	NS	0.35	U	0.35	U	3.5	U	0.35	U	0.35	U	0.35	U	3.5	U	0.35	U
Butyl benzyl phthalate	50	0.25	U	0.25	U	2.5	U	0.25	U	0.25	U	0.25	U	2.5	U	0.25	U
2-Chloronaphthalene	10	0.42	U	0.42	U	4.2	U	0.42	U	0.42	U	4.2	U	0.42	U	0.42	U
4-Chloroaniline	5	0.25	U	0.25	U	2.5	U	0.25	U	0.25	U	2.5	U	0.25	U	0.25	U
Carbazole	NS	32.4		144		126		95.7		56.5		281		211		129	
Chrysene	0.002	7.5		1.7		1.1	U	2.7		1.3		41.2		1.6		5.1	J
bis(2-Chloroethoxy)methane	5	0.25	U	0.25	U	2.5	U	0.25	U	0.25	U	0.25	U	2.5	U	0.25	U
bis(2-Chloroethyl)ether	1	0.31	U	0.31	U	3.1	U	0.31	U	0.31	U	3.1	U	0.31	U	0.31	U
bis(2-Chloroisopropyl)ether	NS	0.39	U	0.39	U	3.9	U	0.39	U	0.39	U	3.9	U	0.39	U	0.39	U
4-Chlorophenyl phenyl ether	NS	0.35	U	0.35	U	3.5	U	0.35	U	0.35	U	0.35	U	3.5	U	0.35	U
1,2-Dichlorobenzene	3	0.42	U	0.42	U	4.2	U	0.42	U	0.42	U	4.2	U	0.42	U	0.42	U
1,3-Dichlorobenzene	3	0.36	U	0.36	U	3.6	U	0.36	U	0.36	U	3.6	U	0.36	U	0.36	U
1,4-Dichlorobenzene	3	0.39	U	0.39	U	3.9	U	0.39	U	0.39	U	3.9	U	0.39	U	0.39	U
2,4-Dinitrotoluene	5	0.22	U	0.22	U	2.2	U	0.22	U	0.22	U	2.2	U	0.22	U	0.22	U
2,6-Dinitrotoluene	5	0.33	U	0.33	U	3.3	U	0.33	U	0.33	U	3.3	U	0.33	U	0.33	U
3,3'-Dichlorobenzidine	5	0.30	U	0.30	U	3.0	U	0.30	U	0.30	U	3.0	U	0.30	U	0.30	U
Dibenzo(a,h)anthracene	50	1.8		1.5		1.5	U	0.15	U	0.15	U	1.5	U	0.15	U	0.15	U
Dibenzofuran	NS	85.5		146		157		121		33.7		367		91.9		132	
Di-n-butyl phthalate	50	0.19	U	0.19	U	1.9	U	0.19	U	0.19	U	1.9	U	0.19	U	0.19	U
Di-n-octyl phthalate	50	0.40	U	0.40	U	4.0	U	0.40	U	0.40	U	4.0	U	0.40	U	0.40	U
Diethyl phthalate	50	0.17	U	0.17	U	1.7	U	0.17	U	0.17	U	1.7	U	0.17	U	0.17	U
Dimethyl phthalate	50	0.23	U	0.23	U	2.3	U	0.23	U	0.23	U	2.3	U	0.23	U	0.23	U
bis(2-Ethylhexyl)phthalate	5	2.7		2.6		3.3	U	3.2		2.9		0.33	U	2.8		3.3	U
Fluoranthene	50	49.8		12.0		11.8		23.5		5.6		265		11.1		25.0	
Fluorene	50	60.7		87.6		101		86.9		27.1		393		72.7		93.6	
Hexachlorobenzene	0.04	0.37	U	0.37	U	3.7	U	0.37	U	0.37	U	3.7	U	0.37	U	0.37	U
Hexachlorobutadiene	0.5	0.37	U	0.37	U	3.7	U	0.37	U	0.37	U	3.7	U	0.37	U	0.37	U
Hexachlorocyclopentadiene	5	0.67	U	0.67	U	6.7	U	0.67	U	0.67	U	6.7	U	0.67	U	0.67	U
Hexachloroethane	5	0.26	U	0.26	U	2.6	U	0.26	U	0.26	U	2.6	U	0.26	U	0.26	U
Indeno(1,2,3-cd)pyrene	0.002	2.7		1.7		1.3	U	1.9		0.13	U	10.7		1.8		1.3	U
Isophorone	5	0.25	U	0.25	U	2.5	U	0.25	U	0.25	U	2.5	U	0.25	U	0.25	U
2-Methylnaphthalene	NS	447		718		876		568		72.1		892		473		456	
2-Nitroaniline	5	0.24	U	0.24	U	2.4	U	0.24	U	0.24	U	2.4	U	0.24	U	0.24	U
3-Nitroaniline	5	0.29	U	0.29	U	2.9	U	0.29	U	0.29	U	2.9	U	0.29	U	0.29	U
4-Nitroaniline	5	0.18	U	0.18	U	1.8	U	0.18	U	0.18	U	1.8	U	0.18	U	0.18	U
Naphthalene	10	1970		10600		9150		9070		2000		22000		9940		6940	
Nitrobenzene	0.4	0.25	U	0.25	U	2.5	U	0.25	U	0.25	U	2.5	U	0.25	U	0.25	U
N-Nitroso-di-n-propylamine	NS	0.44	U	0.44	U	4.4	U	0.44	U	0.44	U	4.4	U	0.44	U	0.44	U
N-Nitrosodiphenylamine	50	0.22	U	0.22	U	2.2	U	0.22	U	0.22	U	2.2	U	0.22	U	0.22	U
Phenanthrene	50	244		89.8		93.1		111		28.1		990		82.9		136	
Pyrene	50	35.2		8.2		8.0	J	15.8		4.8		178		7.4		17.8	
1,2,4-Trichlorobenzene	5	0.44	U	0.44	U	4.4	U	0.44	U	0.44	U	4.4	U	0.44	U	0.44	U
Total SVOCs		3099.6		12336.02		11087.05		12651.76		2296.87		29730.3		12626.07		8192.6	

Notes:
TOGS = Technical and Operational Guidance Series 1.1.1
Ambient Water Quality Standards (AWQS) and Guidance Val
and Groundwater Effluent Standards dated June 1998
and associated errata and addendums;
Values listed are standards and guidance values
(whichever applicable) for Class GA Groundwater;
Values above TOGS in **BOLD**
SVOCs - Semi-Volatile organic compounds
NS - No standard
µg/L- micrograms per liter
U - Below detection limit
J - Estimated values detected above qualitative method deter
& below the quantitative reporting detection limit (RDL).

Table 4
Groundwater Analytical Results-Pre-Injection
TPH in Groundwater
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PI-24-S1	PI-24-S2	PI-27-S4	PI-27-S5	PI-27-S8
Lab Sample ID	Objectives	JA37474-3	JA37474-9	JA38084-2	JA38084-7	JA38084-10
Date Sampled	TOGS GA AWQS	1/11/2010	1/12/2010	1/18/2010	1/18/2010	1/19/2010
TPH-GRO (C6-C10) ((µg/L)	NS	7.36	0.987	5.29	67.6	86.9
TPH-DRO (C10-C28) (µg/L)	NS	64.8	4.62	10.5	57.1	47.4

Notes:

TOGS = Technical and Operational Guidance Series 1.1.1

Ambient Water Quality Standards (AWQS) and Guidance Values

and Groundwater Effluent Standards dated June 1998

and associated errata and addendums;

Values listed are standards and guidance values

(whichever applicable) for Class GA Groundwater;

Values above TOGS in **BOLD**

TPH GRO -Total Petroleum Hydrocarbons, Gasoline Ranged Organics

TPH DRO -Total Petroleum Hydrocarbons, Diesel Ranged Organics

NS - No standard

µg/L- micrograms per liter

U - Below detection limit

J - Estimated values detected above qualitative method detection limit (MDL)

& below the quantitative reporting detection limit (RDL).

Table 5
Soil Analytical Results-Post-Injection
VOCs in Soils
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PO-19-1		PO-19-11		PO-19-12		PO-19-13		PO-19-2		PO-19-3		PO-19-4		PO-19-5		PO-19-6		PO-19-7		PO-19-8		PO-19-9		PO-21-6S	
Lab Sample ID	Objectives	JA45591-18		JA45591-33		JA45591-28		JA45591-29		JA45591-24		JA45591-32		JA45591-19		JA45591-20		JA45591-23		JA45591-26		JA45591-25		JA45591-27		JA45591-31	
Date Sampled	RUSCOs	4/29/2010		4/30/2010		4/30/2010		4/30/2010		4/30/2010		4/29/2010		4/29/2010		4/29/2010		4/30/2010		4/30/2010		4/30/2010		4/30/2010		4/28/2010	
VOCs (µg/kg)																											
Acetone	500,000	85000	U	430	U	8100	U	9900	U	17000	U	16000	U	35000	U	17000	U	3700	U	19000	U	9300	U	9200	U	170	U
Benzene	44,000	13000	U	10300		4800		12400		7050	J	2500	U	5400	U	2600	U	570	U	3000	U	1400	U	1400	U	25	U
Bromodichloromethane	NS	9700	U	49	U	930	U	1100	U	2000	U	1900	U	4000	U	2000	U	430	U	2200	U	1100	U	1100	U	19	U
Bromoform	NS	5700	U	29	U	550	U	670	U	1100	U	1100	U	2400	U	1200	U	250	U	1300	U	630	U	630	U	11	U
Bromomethane	NS	15000	U	78	U	1500	U	1800	U	3100	U	3000	U	6300	U	3100	U	670	U	3500	U	1700	U	1700	U	30	U
2-Butanone (MEK)	500,000	75000	U	380	U	7100	U	8700	U	15000	U	14000	U	31000	U	15000	U	3300	U	17000	U	8200	U	8200	U	150	U
Carbon disulfide	NS	12000	U	59	U	1100	U	1300	U	2300	U	2200	U	4800	U	2400	U	510	U	2700	U	1300	U	1300	U	171	J
Carbon tetrachloride	22,000	21000	U	110	U	2000	U	2500	U	4200	U	4100	U	8700	U	4300	U	920	U	4800	U	2300	U	2300	U	41	U
Chlorobenzene	500,000	13000	U	65	U	1200	U	1500	U	2600	U	2500	U	5300	U	2600	U	560	U	2900	U	1400	U	1400	U	25	U
Chloroethane	NS	38000	U	190	U	3600	U	4400	U	7600	U	7300	U	16000	U	7800	U	1700	U	8700	U	4200	U	4100	U	75	U
Chloroform	350,000	12000	U	61	U	1200	U	1400	U	2400	U	2300	U	5000	U	2500	U	530	U	2800	U	1300	U	1300	U	24	U
Chloromethane	NS	6300	U	32	U	600	U	730	U	1300	U	1200	U	2600	U	1300	U	270	U	1400	U	690	U	680	U	12	U
Dibromochloromethane	NS	4200	U	21	U	400	U	490	U	840	U	800	U	1700	U	850	U	180	U	960	U	460	U	460	U	8.2	U
1,1-Dichloroethane	240,000	5200	U	26	U	500	U	610	U	1100	U	1000	U	2200	U	1100	U	230	U	1200	U	570	U	570	U	10	U
1,2-Dichloroethane	30,000	13000	U	66	U	1200	U	1500	U	2600	U	2500	U	5400	U	2700	U	570	U	3000	U	1400	U	1400	U	26	U
1,1-Dichloroethene	500,000	25000	U	130	U	2400	U	2900	U	5000	U	4800	U	10000	U	5100	U	1100	U	5800	U	2800	U	2700	U	49	U
cis-1,2-Dichloroethene	500,000	9100	U	46	U	870	U	1100	U	1800	U	1700	U	3800	U	1900	U	400	U	2100	U	990	U	990	U	18	U
trans-1,2-Dichloroethene	500,000	17000	U	86	U	1600	U	2000	U	3400	U	3300	U	7100	U	3500	U	750	U	3900	U	1900	U	1900	U	33	U
1,2-Dichloroethene (total)	NS	9100	U	46	U	870	U	1100	U	1800	U	1700	U	3800	U	1900	U	400	U	2100	U	990	U	990	U	18	U
1,2-Dichloropropane	NS	4900	U	25	U	470	U	570	U	990	U	950	U	2000	U	1000	U	220	U	1100	U	540	U	540	U	9.7	U
cis-1,3-Dichloropropene	NS	5000	U	26	U	480	U	590	U	1000	U	970	U	2100	U	1000	U	220	U	1200	U	550	U	550	U	9.9	U
trans-1,3-Dichloropropene	NS	3600	U	18	U	350	U	420	U	730	U	700	U	1500	U	740	U	160	U	840	U	400	U	400	U	7.2	U
Ethylbenzene	390,000	14000	U	2140		42900		65800		117000		127000		82400		139000		8320		141000		72700		111000		40.3	J
2-Hexanone	NS	36000	U	180	U	3500	U	4300	U	7300	U	7000	U	15000	U	7500	U	1600	U	8400	U	4000	U	4000	U	72	U
Methyl Tert Butyl Ether	500,000	11000	U	54	U	1000	U	1200	U	2100	U	2100	U	4400	U	2200	U	470	U	2500	U	1200	U	1200	U	21	U
4-Methyl-2-pentanone(MIBK)	NS	31000	U	160	U	2900	U	3600	U	6200	U	5900	U	13000	U	6300	U	1300	U	7100	U	3400	U	3400	U	60	U
Methylene chloride	500,000	8500	U	43	U	810	U	990	U	1700	U	1600	U	3500	U	1700	U	370	U	1900	U	930	U	920	U	17	U
Styrene	NS	4100	U	21	U	390	U	470	U	810	U	780	U	1700	U	830	U	180	U	930	U	440	U	440	U	8.0	U
1,1,2,2-Tetrachloroethane	NS	11000	U	56	U	1100	U	1300	U	2200	U	2100	U	4600	U	2300	U	490	U	2500	U	1200	U	1200	U	22	U
Tetrachloroethene	150,000	5500	U	28	U	520	U	640	U	1100	U	1100	U	2300	U	1100	U	240	U	1300	U	600	U	600	U	11	U
Toluene	500,000	11000	U	2750		113000		92300		102000		12900		5340	J	7750	J	751	J	57300		6050		14300		22	U
1,1,1-Trichloroethane	500,000	4900	U	25	U	460	U	570	U	970	U	940	U	2000	U	990	U	210	U	1100	U	530	U	530	U	9.5	U
1,1,2-Trichloroethane	NS	7000	U	36	U	670	U	820	U	1400	U	1400	U	2900	U	1400	U	310	U	1600	U	770	U	770	U	14	U
Trichloroethene	200,000	20000	U	100	U	1900	U	2300	U	4000	U	3800	U	8300	U	4100	U	870	U	4600	U	2200	U	2200	U	39	U
Vinyl chloride	13,000	6700	U	34	U	640	U	790	U	1400	U	1300	U	2800	U	1400	U	300	U	1500	U	740	U	740	U	13	U
Xylene (total)	500,000	18000	U	8750		197000		310000		488000		640000		460000		817000		13600		589000		342000		426000		61.5	J
Total VOCs		0.0		23940		357700		480500		714050		779900		547740		963750		22671		787300		420750		551300		101.8	

Notes:
Commerical RUSCOs refer to the 6 New York State Code of Rules and Regulations (NYCRR) Table 375-6.8(b) Restricted Use Soil
Cleanup Objectives (RUSCOs) for Commercial Facilities;
VOCs - Volatile organic compounds
Values above RUSCOs in **BOLD**
µg/kg - micrograms per kilogram
NS - No standard
U - Below detection limit
J - Estimated value detected above qualitative method detection limit (MDL) & below the quantitative reporting detection limit (RDL).

Table 5
Soil Analytical Results-Post-Injection
VOCs in Soils
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PO-24-1D		PO-24-2D		PO-24-2S		PO-24-3D		PO-24-3S		PO-24-4D		PO-24-4S		PO-24-5D		PO-24-5S		PO-24-6D		PO-24-6S		PO-24-7D		PO-24-7S		PO-24-8D	
Lab Sample ID	Objectives	JA45591-16		JA45591-14		JA45591-3		JA45591-5		JA45591-1		JA45591-10		JA45591-2		JA45591-8		JA45591-7		JA45591-9		JA45591-30		JA45591-4		JA45591-13		JA45591-17	
Date Sampled	RUSCOs	4/29/2010		4/29/2010		4/27/2010		4/27/2010		4/27/2010		4/28/2010		4/27/2010		4/27/2010		4/27/2010		4/27/2010		4/29/2010		4/27/2010		4/28/2010		4/29/2010	
VOCs (µg/kg)																													
Acetone	500,000	4500	U	34000	U	35000	U	47000	U	45.0		18000	U	17000	U	32000	U	466	J	19000	U	560	U	1800	U	780	U	880	
Benzene	44,000	680	U	5200	U	177000		7100	U	10.2		2700	U	2500	U	4900	U	68.9	J	2900	U	433		270	U	120	U	140	
Bromodichloromethane	NS	510	U	3900	U	4000	U	5400	U	0.48	U	2000	U	1900	U	3700	U	39	U	2200	U	64	U	210	U	89	U	100	
Bromoform	NS	300	U	2300	U	2400	U	3200	U	0.28	U	1200	U	1100	U	2200	U	23	U	1300	U	38	U	120	U	53	U	60	
Bromomethane	NS	810	U	6200	U	6400	U	8400	U	0.76	U	3200	U	3000	U	5800	U	61	U	3500	U	100	U	320	U	140	U	160	
2-Butanone (MEK)	500,000	3900	U	30000	U	31000	U	41000	U	3.7	U	15000	U	15000	U	28000	U	300	U	17000	U	490	U	1600	U	690	U	780	
Carbon disulfide	NS	610	U	4700	U	4800	U	6400	U	0.57	U	2400	U	2300	U	4400	U	62.9	J	2600	U	76	U	250	U	110	U	120	
Carbon tetrachloride	22,000	1100	U	8500	U	8700	U	12000	U	1.0	U	4400	U	4100	U	8000	U	84	U	4800	U	140	U	450	U	190	U	220	
Chlorobenzene	500,000	680	U	5200	U	5300	U	7100	U	0.64	U	2700	U	2500	U	4900	U	52	U	2900	U	85	U	270	U	120	U	130	
Chloroethane	NS	2000	U	15000	U	16000	U	21000	U	1.9	U	7900	U	7400	U	14000	U	150	U	8600	U	250	U	800	U	350	U	400	
Chloroform	350,000	640	U	4900	U	5000	U	6600	U	0.60	U	2500	U	2400	U	4600	U	48	U	2700	U	79	U	260	U	110	U	130	
Chloromethane	NS	330	U	2500	U	2600	U	3400	U	0.31	U	1300	U	1200	U	2400	U	25	U	1400	U	41	U	130	U	57	U	65	
Dibromochloromethane	NS	220	U	1700	U	1700	U	2300	U	0.21	U	860	U	810	U	1600	U	17	U	940	U	27	U	88	U	38	U	44	
1,1-Dichloroethane	240,000	280	U	2100	U	2200	U	2900	U	0.26	U	1100	U	1000	U	2000	U	21	U	1200	U	34	U	110	U	48	U	55	
1,2-Dichloroethane	30,000	690	U	5300	U	5400	U	7200	U	0.65	U	2700	U	2600	U	4900	U	53	U	3000	U	86	U	280	U	120	U	140	
1,1-Dichloroethene	500,000	1300	U	10000	U	10000	U	14000	U	1.2	U	5200	U	4900	U	9500	U	100	U	5700	U	170	U	530	U	230	U	260	
cis-1,2-Dichloroethene	500,000	480	U	3600	U	3800	U	5000	U	0.45	U	1900	U	1800	U	3400	U	36	U	2000	U	60	U	190	U	83	U	95	
trans-1,2-Dichloroethene	500,000	900	U	6800	U	7100	U	9400	U	0.84	U	3500	U	3300	U	6400	U	68	U	3800	U	110	U	360	U	160	U	180	
1,2-Dichloroethene (total)	NS	480	U	3600	U	3800	U	5000	U	0.45	U	1900	U	1800	U	3400	U	36	U	2000	U	60	U	190	U	83	U	95	
1,2-Dichloropropane	NS	260	U	2000	U	2000	U	2700	U	0.24	U	1000	U	960	U	1900	U	20	U	1100	U	32	U	100	U	45	U	51	
cis-1,3-Dichloropropene	NS	270	U	2000	U	2100	U	2800	U	0.25	U	1000	U	990	U	1900	U	20	U	1100	U	33	U	110	U	46	U	53	
trans-1,3-Dichloropropene	NS	190	U	1500	U	1500	U	2000	U	0.18	U	750	U	710	U	1400	U	15	U	820	U	24	U	77	U	33	U	38	
Ethylbenzene	390,000	2500		22800		29800		33600		0.70	U	47500		4130	J	106000		591		44500		268		58400		934		1380	
2-Hexanone	NS	1900	U	15000	U	15000	U	20000	U	1.8	U	7600	U	7100	U	14000	U	150	U	8300	U	240	U	770	U	340	U	380	
Methyl Tert Butyl Ether	500,000	560	U	4300	U	4400	U	5900	U	7.6		2200	U	2100	U	4000	U	43	U	2400	U	70	U	230	U	98	U	110	
4-Methyl-2-pentanone(MIBK)	NS	1600	U	12000	U	13000	U	17000	U	1.5	U	6400	U	6000	U	12000	U	120	U	6900	U	200	U	650	U	280	U	320	
Methylene chloride	500,000	450	U	3400	U	3500	U	4700	U	0.42	U	1800	U	1700	U	3200	U	34	U	1900	U	56	U	180	U	78	U	88	
Styrene	NS	210	U	1600	U	1700	U	2200	U	0.20	U	840	U	790	U	1500	U	16	U	920	U	27	U	86	U	37	U	42	
1,1,2,2-Tetrachloroethane	NS	590	U	4500	U	4600	U	6100	U	0.55	U	2300	U	2200	U	4200	U	45	U	2500	U	73	U	240	U	100	U	120	
Tetrachloroethene	150,000	290	U	2200	U	2300	U	3000	U	0.27	U	1100	U	1100	U	2100	U	22	U	1200	U	36	U	120	U	50	U	57	
Toluene	500,000	580	U	4500	U	261000		24400		0.55	U	203000		3040	J	8790	J	44	U	160000		359		82400		182	J	141	
1,1,1-Trichloroethane	500,000	260	U	2000	U	2000	U	2700	U	0.24	U	1000	U	950	U	1800	U	19	U	1100	U	32	U	100	U	45	U	51	
1,1,2-Trichloroethane	NS	370	U	2800	U	2900	U	3900	U	0.35	U	1500	U	1400	U	2700	U	28	U	1600	U	46	U	150	U	64	U	73	
Trichloroethene	200,000	1100	U	8000	U	8300	U	11000	U	0.99	U	4100	U	3900	U	7500	U	80	U	4500	U	130	U	420	U	180	U	210	
Vinyl chloride	13,000	360	U	2700	U	2800	U	3700	U	0.33	U	1400	U	1300	U	2600	U	27	U	1500	U	44	U	140	U	62	U	70	
Xylene (total)	500,000	12200		103000		321000		124000		0.88	U	172000		43900		234000		665		170000		1300		223000		2350		2910	
Total VOCs		14700		125800		788800		182000		55.2		422500		51070		348790		1853.8		374500		2360		363800		3466		4431	

Notes:
Commerical RUSCOs refer to the 6 New York State Code of
(NYCRR) Table 375-6.8(b) Restricted Use Soil
Cleanup Objectives (RUSCOs) for Commercial Facilities;
VOCs - Volatile organic compounds
Values above RUSCOs in **BOLD**
µg/kg - micrograms per kilogram
NS - No standard
U - Below detection limit
J - Estimated value detected above qualitative method detected
below the quantitative reporting detection limit (RDL).

Table 5
Soil Analytical Results-Post-Injection
VOCs in Soils
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PO-24-8S	PO-19-14	PO-19-15	PO-19-16	PO-27-1S	PO-27-2S	PO-27-5S	PO-27-6S	PO-27-7S	PO-11-10	PO-11-11	PO-11-3	PO-11-9	PO-11-I															
Lab Sample ID	Objectives	JA45591-6	JA45914-1	JA45914-3	JA45914-5	JA45914-8	JA45914-9	JA45914-13	JA45914-15	JA45914-16	JA46464-22	JA46464-21	JA46464-20	JA46464-19	JA46464-18															
Date Sampled	RUSCOs	4/27/2010	5/3/2010	5/3/2010	5/3/2010	5/4/2010	5/4/2010	5/5/2010	5/5/2010	5/5/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010	5/12/2010															
VOCs (µg/kg)																														
Acetone	500,000	U	18000	U	13	U	3.0	U	3.0	U	170	U	190	U	24.5		1200	U	150	U	210	U	3300	U	3600	U	810	U	190	U
Benzene	44,000	U	2700	U	3820		268		785		26.9	J	29	U	0.42	U	455	J	23	U	1080		6420		582	J	2640		29	U
Bromodichloromethane	NS	U	2000	U	1.4	U	0.35	U	0.35	U	19	U	22	U	0.32	U	140	U	17	U	24	U	380	U	410	U	93	U	22	U
Bromoform	NS	U	1200	U	0.85	U	0.21	U	0.20	U	11	U	13	U	0.19	U	80	U	10	U	14	U	220	U	240	U	55	U	13	U
Bromomethane	NS	U	3200	U	2.3	U	0.55	U	0.54	U	30	U	35	U	0.50	U	210	U	27	U	38	U	600	U	650	U	150	U	34	U
2-Butanone (MEK)	500,000	U	16000	U	11	U	2.7	U	2.7	U	150	U	170	U	2.4	U	1000	U	130	U	180	U	2900	U	3200	U	720	U	170	U
Carbon disulfide	NS	U	2400	U	1.7	U	0.42	U	0.82	J	23	U	26	U	1.3	J	160	U	20	U	29	U	450	U	490	U	224	J	363	J
Carbon tetrachloride	22,000	U	4400	U	3.1	U	0.76	U	0.75	U	42	U	48	U	0.69	U	290	U	37	U	52	U	820	U	890	U	200	U	47	U
Chlorobenzene	500,000	U	2700	U	1.9	U	0.46	U	0.46	U	25	U	29	U	0.42	U	180	U	22	U	32	U	500	U	540	U	120	U	28	U
Chloroethane	NS	U	8000	U	5.6	U	1.4	U	1.3	U	75	U	86	U	1.2	U	530	U	66	U	94	U	1500	U	1600	U	360	U	84	U
Chloroform	350,000	U	2500	U	1.8	U	0.43	U	0.43	U	24	U	27	U	0.40	U	170	U	21	U	30	U	470	U	510	U	120	U	27	U
Chloromethane	NS	U	1300	U	0.93	U	0.23	U	0.22	U	12	U	14	U	0.20	U	87	U	11	U	15	U	240	U	260	U	60	U	14	U
Dibromochloromethane	NS	U	870	U	0.62	U	0.15	U	0.15	U	8.2	U	9.5	U	0.14	U	58	U	7.3	U	10	U	160	U	180	U	40	U	9.2	U
1,1-Dichloroethane	240,000	U	1100	U	0.78	U	0.19	U	0.19	U	10	U	12	U	0.17	U	73	U	9.1	U	13	U	200	U	220	U	50	U	12	U
1,2-Dichloroethane	30,000	U	2700	U	1.9	U	0.47	U	0.47	U	26	U	30	U	0.43	U	180	U	23	U	32	U	510	U	550	U	130	U	29	U
1,1-Dichloroethene	500,000	U	5300	U	3.7	U	0.90	U	0.89	U	50	U	57	U	0.82	U	350	U	44	U	62	U	980	U	1100	U	240	U	56	U
cis-1,2-Dichloroethene	500,000	U	1900	U	1.3	U	0.42	J	0.41	J	18	U	21	U	0.30	U	130	U	16	U	22	U	350	U	380	U	87	U	20	U
trans-1,2-Dichloroethene	500,000	U	3600	U	2.5	U	0.61	U	0.61	U	34	U	39	U	0.56	U	240	U	30	U	42	U	670	U	720	U	160	U	38	U
1,2-Dichloroethene (total)	NS	U	1900	U	1.3	U	0.42	J	0.41	J	18	U	21	U	0.30	U	130	U	16	U	22	U	350	U	380	U	87	U	20	U
1,2-Dichloropropane	NS	U	1000	U	0.73	U	0.18	U	0.18	U	9.7	U	11	U	0.16	U	69	U	8.6	U	12	U	190	U	210	U	47	U	11	U
cis-1,3-Dichloropropene	NS	U	1100	U	0.75	U	0.18	U	0.18	U	10	U	11	U	0.17	U	70	U	8.8	U	12	U	200	U	210	U	48	U	11	U
trans-1,3-Dichloropropene	NS	U	760	U	0.54	U	0.13	U	0.13	U	7.2	U	8.3	U	0.12	U	51	U	6.3	U	9.0	U	140	U	150	U	35	U	8.1	U
Ethylbenzene	390,000		44500		376		30.1		169		1290		965		0.52	J	860		25	U	1930		63900		39100		52200		546	
2-Hexanone	NS	U	7700	U	5.4	U	1.3	U	1.3	U	72	U	83	U	1.2	U	510	U	64	U	90	U	1400	U	1500	U	350	U	81	U
Methyl Tert Butyl Ether	500,000	U	2200	U	1.6	U	0.38	U	0.38	U	21	U	24	U	0.35	U	150	U	19	U	26	U	420	U	450	U	100	U	24	U
4-Methyl-2-pentanone(MIBK)	NS	U	6500	U	4.6	U	1.1	U	1.1	U	61	U	70	U	1.0	U	430	U	54	U	76	U	1200	U	1300	U	290	U	68	U
Methylene chloride	500,000	U	1800	U	1.3	U	0.30	U	0.30	U	17	U	19	U	0.28	U	120	U	15	U	21	U	330	U	360	U	81	U	19	U
Styrene	NS	U	850	U	0.60	U	0.15	U	0.14	U	8.0	U	9.2	U	0.13	U	56	U	7.1	U	10	U	160	U	170	U	39	U	9.0	U
1,1,2,2-Tetrachloroethane	NS	U	2300	U	1.6	U	0.40	U	0.40	U	22	U	25	U	0.36	U	150	U	19	U	27	U	430	U	470	U	110	U	25	U
Tetrachloroethene	150,000	U	1200	U	0.82	U	0.95	J	0.53	J	11	U	13	U	0.54	J	215	J	9.6	U	14	U	220	U	230	U	53	U	12	U
Toluene	500,000	J	2300	U	455		2.7		6.1		268		554		0.54	J	173	J	19	U	113		2050		1080	J	1200		127	
1,1,1-Trichloroethane	500,000	U	1000	U	0.72	U	0.17	U	0.17	U	9.6	U	11	U	0.16	U	67	U	8.5	U	12	U	190	U	210	U	47	U	11	U
1,1,2-Trichloroethane	NS	U	1500	U	1.0	U	0.25	U	0.25	U	14	U	16	U	0.23	U	98	U	12	U	17	U	270	U	300	U	67	U	16	U
Trichloroethene	200,000	U	4200	U	3.0	U	0.72	U	0.71	U	39	U	45	U	0.65	U	280	U	35	U	49	U	780	U	840	U	190	U	44	U
Vinyl chloride	13,000	U	1400	U	1.0	U	0.24	U	0.24	U	13	U	15	U	0.22	U	94	U	12	U	17	U	260	U	290	U	65	U	15	U
Xylene (total)	500,000		183000		1530		67.2		331		5540		4640		2.4	J	1130		31	U	4720		109000		59700		94900		627	
Total VOCs			227500		6181		369.37		1292.04		7124.9		6159		29.26		2660		0.0		7843		181370		100462		150940		1663	

Notes:
Commerical RUSCOs refer to the 6 New York State Code of
(NYCRR) Table 375-6.8(b) Restricted Use Soil
Cleanup Objectives (RUSCOs) for Commercial Facilities;
VOCs - Volatile organic compounds
Values above RUSCOs in **BOLD**
µg/kg - micrograms per kilogram
NS - No standard
U - Below detection limit
J - Estimated value detected above qualitative method detection limit
below the quantitative reporting detection limit (RDL).

Table 5
Soil Analytical Results-Post-Injection
VOCs in Soils
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PO-27-1D		PO-27-2D		PO-27-3D		PO-27-3S		PO-27-4D		PO-27-7D		PO-27-8D		PO-27-8S		PO-11-12		PO-11-13		PO-11-14		PO-11-15		PO-11-16		PO-11-2		PO-11-4	
Lab Sample ID	Objectives	JA46464-3		JA46464-6		JA46464-16		JA46464-13		JA46464-15		JA46464-10		JA46464-11		JA46464-1		JA46609-11		JA46609-7		JA46609-8		JA46609-3		JA46609-4		JA46609-5		JA46609-6	
Date Sampled	RUSCOs	5/10/2010		5/11/2010		5/12/2010		5/12/2010		5/12/2010		5/11/2010		5/11/2010		5/10/2010		5/14/2010		5/13/2010		5/13/2010		5/13/2010		5/13/2010		5/13/2010		5/13/2010	
VOCs (µg/kg)																															
Acetone	500,000	210	U	210	U	800	U	10.9	J	960	U	950	U	830	U	890	U	930	U	820	U	190	U	9.7	J	27.0	J	870	U	170	U
Benzene	44,000	11700		16300		5470		0.46	U	41600		535		844		340	J	140	U	484		56.7	J	28.3		147		2610		197	
Bromodichloromethane	NS	24	U	24	U	92	U	0.35	U	110	U	110	U	95	U	100	U	110	U	95	U	22	U	0.36	U	0.71	U	100	U	20	U
Bromoform	NS	14	U	14	U	54	U	0.20	U	65	U	65	U	56	U	60	U	63	U	56	U	13	U	0.21	U	0.42	U	59	U	12	U
Bromomethane	NS	38	U	38	U	140	U	0.55	U	170	U	170	U	150	U	160	U	170	U	150	U	35	U	0.56	U	1.1	U	160	U	31	U
2-Butanone (MEK)	500,000	180	U	180	U	700	U	2.7	U	850	U	840	U	730	U	790	U	820	U	730	U	170	U	2.7	U	5.5	U	770	U	150	U
Carbon disulfide	NS	28	U	28	U	110	U	9.6		130	U	130	U	110	U	120	U	130	U	110	U	27	U	10.3		36.0		120	U	24	U
Carbon tetrachloride	22,000	52	U	52	U	200	U	0.75	U	240	U	240	U	210	U	220	U	230	U	200	U	48	U	0.77	U	1.5	U	220	U	43	U
Chlorobenzene	500,000	31	U	32	U	120	U	0.46	U	150	U	150	U	130	U	140	U	140	U	130	U	30	U	0.47	U	0.94	U	130	U	26	U
Chloroethane	NS	93	U	93	U	360	U	1.4	U	430	U	430	U	370	U	400	U	420	U	370	U	87	U	1.4	U	2.8	U	390	U	77	U
Chloroform	350,000	30	U	30	U	110	U	0.43	U	140	U	140	U	120	U	130	U	130	U	120	U	28	U	0.44	U	0.88	U	120	U	25	U
Chloromethane	NS	15	U	15	U	59	U	0.22	U	71	U	71	U	61	U	66	U	69	U	61	U	14	U	0.23	U	0.46	U	64	U	13	U
Dibromochloromethane	NS	10	U	10	U	39	U	0.15	U	47	U	47	U	41	U	44	U	46	U	41	U	9.6	U	0.15	U	0.30	U	43	U	8.5	U
1,1-Dichloroethane	240,000	13	U	13	U	49	U	0.19	U	59	U	59	U	51	U	55	U	57	U	51	U	12	U	0.19	U	0.38	U	54	U	11	U
1,2-Dichloroethane	30,000	32	U	32	U	120	U	0.47	U	150	U	150	U	130	U	140	U	140	U	130	U	30	U	0.48	U	0.96	U	130	U	27	U
1,1-Dichloroethene	500,000	61	U	62	U	240	U	0.90	U	280	U	280	U	250	U	270	U	280	U	240	U	58	U	0.92	U	1.8	U	260	U	51	U
cis-1,2-Dichloroethene	500,000	22	U	22	U	85	U	0.32	U	100	U	100	U	89	U	96	U	99	U	88	U	21	U	0.33	U	0.66	U	93	U	18	U
trans-1,2-Dichloroethene	500,000	42	U	42	U	160	U	0.61	U	190	U	190	U	170	U	180	U	190	U	170	U	39	U	0.62	U	1.2	U	170	U	35	U
1,2-Dichloroethene (total)	NS	22	U	22	U	85	U	0.32	U	100	U	100	U	89	U	96	U	99	U	88	U	21	U	0.33	U	0.66	U	93	U	18	U
1,2-Dichloropropane	NS	12	U	12	U	46	U	0.18	U	56	U	56	U	48	U	52	U	54	U	48	U	11	U	0.18	U	0.36	U	51	U	10	U
cis-1,3-Dichloropropene	NS	12	U	12	U	48	U	0.18	U	57	U	57	U	49	U	53	U	55	U	49	U	12	U	0.18	U	0.37	U	52	U	10	U
trans-1,3-Dichloropropene	NS	8.9	U	8.9	U	34	U	0.13	U	41	U	41	U	36	U	38	U	40	U	35	U	8.4	U	0.13	U	0.27	U	37	U	7.4	U
Ethylbenzene	390,000	2690		2880		96800		0.91	J	89700		27000		19700		1150		103000		53400		7880		5.6		101		51400		4200	
2-Hexanone	NS	89	U	90	U	340	U	1.3	U	410	U	410	U	360	U	390	U	400	U	360	U	84	U	1.3	U	2.7	U	380	U	74	U
Methyl Tert Butyl Ether	500,000	26	U	26	U	100	U	0.38	U	120	U	120	U	100	U	110	U	120	U	100	U	25	U	0.43	J	0.78	U	110	U	22	U
4-Methyl-2-pentanone(MIBK)	NS	75	U	75	U	290	U	1.1	U	350	U	350	U	300	U	320	U	340	U	300	U	71	U	1.1	U	2.2	U	320	U	63	U
Methylene chloride	500,000	21	U	21	U	80	U	5.3	J	96	U	95	U	83	U	89	U	93	U	82	U	19	U	0.31	U	0.62	U	87	U	17	U
Styrene	NS	9.9	U	10	U	38	U	0.15	U	46	U	46	U	40	U	43	U	44	U	39	U	9.3	U	0.15	U	0.30	U	42	U	8.3	U
1,1,1,2-Tetrachloroethane	NS	27	U	27	U	100	U	0.40	U	130	U	130	U	110	U	120	U	120	U	110	U	26	U	0.41	U	0.81	U	110	U	23	U
Tetrachloroethene	150,000	13	U	13	U	52	U	0.61	J	62	U	62	U	54	U	58	U	60	U	53	U	13	U	0.20	U	2.0	J	56	U	11	U
Toluene	500,000	1710		2480		181000		2.0		74600		31600		58800		3500		1460		1040		25	U	0.40	U	2.2	J	1350		82.6	
1,1,1-Trichloroethane	500,000	12	U	12	U	46	U	0.17	U	55	U	55	U	48	U	51	U	53	U	47	U	11	U	0.18	U	0.35	U	50	U	9.9	U
1,1,2-Trichloroethane	NS	17	U	17	U	66	U	0.25	U	79	U	79	U	69	U	74	U	77	U	68	U	16	U	0.26	U	0.51	U	72	U	14	U
Trichloroethene	200,000	49	U	49	U	190	U	0.71	U	230	U	230	U	200	U	210	U	220	U	190	U	46	U	0.73	U	1.5	U	200	U	41	U
Vinyl chloride	13,000	17	U	17	U	64	U	0.24	U	76	U	76	U	66	U	71	U	74	U	66	U	16	U	0.25	U	0.49	U	69	U	14	U
Xylene (total)	500,000	15200		17300		479000		3.5		448000		164000		114000		7030		131000		83500		4030		0.65	U	75.1		69700		6680	
Total VOCs		31300		38960		762270		21.92		653900		223135		193344		12020		235460		138424		11991.7		34.3		325.3		125060		11159.6	

Notes:
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Cleanup Objectives (RUSCOs) for Commercial Facilities;
VOCs - Volatile organic compounds
Values above RUSCOs in **BOLD**
µg/kg - micrograms per kilogram
NS - No standard
U - Below detection limit
J - Estimated value detected above qualitative method detec
below the quantitative reporting detection limit (RDL).

Table 5
Soil Analytical Results-Post-Injection
VOCs in Soils
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PO-11-5		PO-11-6		PO-11-7		PO-11-8		TRIP BLANK		TRIP BLANK	
Lab Sample ID	Objectives	JA46609-9		JA46609-10		JA46609-1		JA46609-2		JA45914-12		JA46464-23	
Date Sampled	RUSCOs	5/14/2010		5/14/2010		5/13/2010		5/13/2010		5/5/2010		5/12/2010	
VOCs (µg/kg)													
Acetone	500,000	180	U	820	U	390	U	180	U	2.9	U	2.9	U
Benzene	44,000	86.5		564		59	U	28	U	0.23	U	0.23	U
Bromodichloromethane	NS	21	U	95	U	44	U	21	U	0.22	U	0.22	U
Bromoform	NS	12	U	56	U	26	U	12	U	0.23	U	0.23	U
Bromomethane	NS	33	U	150	U	70	U	33	U	0.30	U	0.30	U
2-Butanone (MEK)	500,000	160	U	730	U	340	U	160	U	1.6	U	1.6	U
Carbon disulfide	NS	25	U	110	U	53	U	25	U	0.74	U	0.74	U
Carbon tetrachloride	22,000	46	U	200	U	96	U	45	U	0.26	U	0.26	U
Chlorobenzene	500,000	28	U	130	U	59	U	28	U	0.39	U	0.39	U
Chloroethane	NS	83	U	370	U	170	U	82	U	0.37	U	0.37	U
Chloroform	350,000	26	U	120	U	55	U	26	U	0.23	U	0.23	U
Chloromethane	NS	14	U	61	U	29	U	14	U	0.29	U	0.29	U
Dibromochloromethane	NS	9.1	U	41	U	19	U	9.0	U	0.22	U	0.22	U
1,1-Dichloroethane	240,000	11	U	51	U	24	U	11	U	0.29	U	0.29	U
1,2-Dichloroethane	30,000	28	U	130	U	60	U	28	U	0.33	U	0.33	U
1,1-Dichloroethene	500,000	55	U	240	U	110	U	54	U	0.40	U	0.40	U
cis-1,2-Dichloroethene	500,000	20	U	88	U	41	U	20	U	0.22	U	0.22	U
trans-1,2-Dichloroethene	500,000	37	U	170	U	78	U	37	U	0.25	U	0.25	U
1,2-Dichloroethene (total)	NS	20	U	88	U	41	U	20	U	0.22	U	0.22	U
1,2-Dichloropropane	NS	11	U	48	U	22	U	11	U	0.27	U	0.27	U
cis-1,3-Dichloropropene	NS	11	U	49	U	23	U	11	U	0.25	U	0.25	U
trans-1,3-Dichloropropene	NS	7.9	U	35	U	17	U	7.9	U	0.21	U	0.21	U
Ethylbenzene	390,000	1050		29200		3150		32.1	J	0.27	U	0.27	U
2-Hexanone	NS	80	U	360	U	170	U	79	U	1.4	U	1.4	U
Methyl Tert Butyl Ether	500,000	23	U	100	U	49	U	23	U	0.23	U	0.23	U
4-Methyl-2-pentanone(MIBK)	NS	67	U	300	U	140	U	66	U	0.86	U	0.86	U
Methylene chloride	500,000	18	U	82	U	39	U	18	U	0.30	U	0.30	U
Styrene	NS	8.8	U	39	U	19	U	8.8	U	0.58	U	0.58	U
1,1,2,2-Tetrachloroethane	NS	24	U	110	U	51	U	24	U	0.24	U	0.24	U
Tetrachloroethene	150,000	12	U	53	U	25	U	12	U	0.27	U	0.27	U
Toluene	500,000	24	U	508		51	U	24	U	0.30	U	0.30	U
1,1,1-Trichloroethane	500,000	11	U	47	U	22	U	10	U	0.26	U	0.26	U
1,1,2-Trichloroethane	NS	15	U	68	U	32	U	15	U	0.23	U	0.23	U
Trichloroethene	200,000	43	U	190	U	91	U	43	U	0.24	U	0.24	U
Vinyl chloride	13,000	15	U	66	U	31	U	15	U	0.44	U	0.44	U
Xylene (total)	500,000	1360		49000		2250		38	U	0.25	U	0.25	U
Total VOCs		2520.5		79272		5451		32.1		0.0		0.0	

Notes:
Commerical RUSCOs refer to the 6 New York State Code of
(NYCRR) Table 375-6.8(b) Restricted Use Soil
Cleanup Objectives (RUSCOs) for Commercial Facilities;
VOCs - Volatile organic compounds
Values above RUSCOs in **BOLD**
µg/kg - micrograms per kilogram
NS - No standard
U - Below detection limit
J - Estimated value detected above qualitative method detec
below the quantitative reporting detection limit (RDL).

Table 5
Soil Analytical Results
SVOCs Detected in Soils
Post-Injection
Parcel 8
Results in µg/kg
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PO-19-1	PO-19-11	PO-19-12	PO-19-13	PO-19-2	PO-19-3	PO-19-4	PO-19-5	PO-19-6	PO-19-7	PO-19-8	PO-19-9	PO-21-6S	PO-24-1D	PO-24-2D	PO-24-2S
Lab Sample ID	Objectives	JA45591-18	JA45591-33	JA45591-28	JA45591-29	JA45591-24	JA45591-32	JA45591-19	JA45591-20	JA45591-23	JA45591-26	JA45591-25	JA45591-27	JA45591-31	JA45591-16	JA45591-14	JA45591-3
Date Sampled	RUSCOs	4/29/2010	4/30/2010	4/30/2010	4/30/2010	4/30/2010	4/29/2010	4/29/2010	4/30/2010	4/30/2010	4/30/2010	4/30/2010	4/30/2010	4/28/2010	4/29/2010	4/29/2010	4/27/2010
SVOCs (µg/kg)		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
2-Chlorophenol	NS	1300	U	280	U	240	U	280	U	1200	U	250	U	1300	U	270	U
4-Chloro-3-methyl phenol	NS	1300	U	280	U	240	U	280	U	1200	U	250	U	1300	U	270	U
2,4-Dichlorophenol	NS	2000	U	440	U	390	U	440	U	2000	U	400	U	2100	U	430	U
2,4-Dimethylphenol	NS	2100	U	1100	J	400	U	460	U	2100	U	410	U	2200	U	450	U
2,4-Dinitrophenol	NS	1500	U	340	U	290	U	340	U	1500	U	300	U	1600	U	330	U
4,6-Dinitro-o-cresol	NS	1500	U	340	U	290	U	340	U	1500	U	300	U	1600	U	330	U
2-Methylphenol	NS	1400	U	310	U	270	U	310	U	1400	U	280	U	1500	U	300	U
3&4-Methylphenol	NS	1600	U	350	U	300	U	350	U	1600	U	310	U	1700	U	340	U
2-Nitrophenol	NS	1300	U	290	U	250	U	290	U	1300	U	260	U	1400	U	280	U
4-Nitrophenol	NS	2100	U	470	U	410	U	470	U	2100	U	420	U	2200	U	450	U
Pentachlorophenol	6,700	2200	U	470	U	410	U	470	U	2100	U	420	U	2200	U	450	U
Phenol	500,000	1300	U	290	U	250	U	290	U	1300	U	260	U	1400	U	280	U
2,4,5-Trichlorophenol	NS	1500	U	320	U	280	U	320	U	1500	U	290	U	1500	U	290	U
2,4,6-Trichlorophenol	NS	1200	U	260	U	230	U	260	U	1200	U	230	U	1300	U	240	U
Acenaphthene	500,000	369000		278	J	47900		313000		116000		51900		171000		162000	
Acenaphthylene	500,000	14600		88	U	964		3460		2050		5310		2070		3460	
Anthracene	500,000	126000		145	J	27700		141000		45700		24300		90900		54000	
Benzo(a)anthracene	5,600	17100		90	U	3560		12200		3490		18500		6640		5790	
Benzo(a)pyrene	1,000	8030		84	U	1480		3400		1220		2500		8460		10500	
Benzo(b)fluoranthene	5,600	6820		92	U	2020		4400	J	1040		2950		7100		8670	
Benzo(g,h,i)perylene	500,000	4690		100	U	672		1100	J	510		1300		4410		5100	
Benzo(k)fluoranthene	56,000	6990		100	U	841		1530		1260		1760		6730		7970	
4-Bromophenyl phenyl ether	NS	460	U	100	U	87	U	100	U	450	U	89	U	470	U	460	U
Butyl benzyl phthalate	NS	730	U	160	U	140	U	160	U	720	U	140	U	740	U	770	U
2-Chloronaphthalene	NS	390	U	85	U	74	U	85	U	380	U	76	U	400	U	83	U
4-Chloroaniline	NS	400	U	88	U	77	U	88	U	400	U	79	U	410	U	86	U
Carbazole	NS	72100		130	U	23300		37700		14100		8600		28000		32500	
Chrysene	56,000	16200		93	U	2970		3760		9550		4710		16400		18000	
bis(2-Chloroethoxy)methane	NS	510	U	110	U	97	U	110	U	500	U	99	U	520	U	540	U
bis(2-Chloroethyl)ether	NS	380	U	83	U	72	U	83	U	370	U	74	U	390	U	400	U
bis(2-Chloroisopropyl)ether	NS	370	U	82	U	71	U	82	U	370	U	73	U	380	U	400	U
4-Chlorophenyl phenyl ether	NS	380	U	83	U	72	U	83	U	370	U	74	U	390	U	400	U
1,2-Dichlorobenzene	500,000	360	U	79	U	69	U	79	U	360	U	71	U	370	U	380	U
1,3-Dichlorobenzene	280,000	340	U	74	U	64	U	74	U	330	U	66	U	340	U	360	U
1,4-Dichlorobenzene	130,000	280	U	61	U	54	U	61	U	280	U	55	U	290	U	300	U
2,4-Dinitrotoluene	NS	550	U	120	U	100	U	120	U	540	U	110	U	560	U	580	U
2,6-Dinitrotoluene	NS	480	U	100	U	91	U	100	U	470	U	94	U	490	U	510	U
3,3'-Dichlorobenzidine	NS	320	U	70	U	61	U	70	U	310	U	62	U	330	U	340	U
Dibenzo(a,h)anthracene	560	1390		94	U	313		660		420	U	642		1740		1530	
Dibenzofuran	350,000	441000		281	J	45600		266000		105000		49900		191000		123000	
Di-n-butyl phthalate	NS	280	U	61	U	53	U	61	U	270	U	55	U	290	U	300	U
Di-n-octyl phthalate	NS	610	U	130	U	120	U	130	U	600	U	120	U	630	U	650	U
Diethyl phthalate	NS	430	U	94	U	82	U	94	U	420	U	84	U	440	U	450	U
Dimethyl phthalate	NS	440	U	97	U	84	U	97	U	440	U	87	U	450	U	470	U
bis(2-Ethylhexyl)phthalate	NS	1100	U	240	U	210	U	240	U	1100	U	220	U	1100	U	1200	U
Fluoranthene	500,000	115000		147	J	22600		112000		34900		28600		82500		130000	
Fluorene	500,000	369000		239	J	53200		269000		89800		49500		178000		117000	
Hexachlorobenzene	6,000	410	U	90	U	78	U	90	U	400	U	80	U	420	U	430	U
Hexachlorobutadiene	NS	350	U	77	U	67	U	77	U	340	U	68	U	360	U	370	U
Hexachlorocyclopentadiene	NS	1300	U	280	U	240	U	280	U	1300	U	250	U	1400	U	270	U
Hexachloroethane	NS	350	U	77	U	67	U	77	U	340	U	68	U	360	U	370	U
Indeno(1,2,3-cd)pyrene	5,600	3990		96	U	599		1170		489	J	1200		3460		4320	
Isophorone	NS	340	U	74	U	65	U	74	U	330	U	66	U	350	U	360	U
2-Methylnaphthalene	NS	1440000		587		69600		640000		283000		84500		450000		317000	
2-Nitroaniline	NS	550	U	120	U	110	U	120	U	540	U	110	U	570	U	590	U
3-Nitroaniline	NS	500	U	110	U	96	U	110	U	490	U	98	U	510	U	530	U
4-Nitroaniline	NS	490	U	110	U	94	U	110	U	480	U	96	U	500	U	520	U
Naphthalene	500,000	16800000		4000		179000		5890000		1560000		1070000		2640000		1810000	
Nitrobenzene	NS	360	U	80	U	69	U	80	U	360	U	71	U	370	U	380	U
N-Nitroso-di-n-propylamine	NS	310	U	67	U	59	U	67	U	300	U	60	U	310	U	320	U
N-Nitrosodiphenylamine	NS	750	U	160	U	140	U	160	U	740	U	150	U	770	U	790	U
Phenanthrene	500,000	593000		579		94600		443000		130000		98100		346000		247000	
Pyrene	500,000	79600		110	U	15500		71000		61500		19700		96800		67600	
1,2,4-Trichlorobenzene	NS	330	U	73	U	64	U	73	U	330	U	65	U	340	U	350	U
Total SVOCs		20461320		7356		592419		8220170		2415839		1505783		4366930		3119580	

Notes:
Commercial RUSCOs refer to the 6 New York State Code of Rules and Regulations (NYCRR) Table 375-6.8(b) Restricted Use Soil Cleanup Objectives (RUSCOs) for Commercial Facilities; Values above RUSCOs in **BOLD**
SVOCs - Semi-volatile organic compounds
µg/kg - micrograms per kilogram
NS - No standard
U - Below detection limit
J - Estimated value detected above qualitative method detection limit (MDL) & below the quantitative reporting detection limit (RDL).

Table 5
Soil Analytical Results
SVOCs Detected in Soils
Post-Injection
Parcel 8
Results in µg/kg
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PO-24-3D	PO-24-3S	PO-24-4D	PO-24-4S	PO-24-5D	PO-24-5S	PO-24-6D	PO-24-6S	PO-24-7D	PO-24-7S	PO-24-8D	PO-24-8S	PO-19-14	PO-19-15	PO-19-16	PO-27-1S
Lab Sample ID	Objectives	JA45591-5	JA45591-1	JA45591-10	JA45591-2	JA45591-8	JA45591-7	JA45591-9	JA45591-30	JA45591-4	JA45591-13	JA45591-17	JA45591-6	JA45914-1	JA45914-3	JA45914-5	JA45914-8
Date Sampled	RUSCOs	4/27/2010	4/27/2010	4/28/2010	4/27/2010	4/27/2010	4/27/2010	4/28/2010	4/29/2010	4/27/2010	4/28/2010	4/29/2010	4/27/2010	5/3/2010	5/3/2010	5/3/2010	5/4/2010
		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
SVOCs (µg/kg)																	
2-Chlorophenol	NS	1300	U	1300	U	1300	U	1200	U	1300	U	230	U	1300	U	NA	U
4-Chloro-3-methyl phenol	NS	1300	U	1300	U	1300	U	1200	U	1300	U	230	U	1300	U	NA	U
2,4-Dichlorophenol	NS	2000	U	2100	U	2100	U	1900	U	2000	U	2200	U	2100	U	NA	U
2,4-Dimethylphenol	NS	2100	U	2200	U	2200	U	38800	U	2000	U	2100	U	2300	U	17700	U
2,4-Dinitrophenol	NS	1500	U	1600	U	1600	U	1400	U	1500	U	1700	U	280	U	1600	U
4,6-Dinitro-o-cresol	NS	1500	U	1600	U	1600	U	1400	U	1500	U	1700	U	280	U	1600	U
2-Methylphenol	NS	1400	U	1500	U	1500	U	15700	U	1400	U	1400	U	4380	U	1500	U
3&4-Methylphenol	NS	1600	U	1600	U	1600	U	14600	U	1500	U	1600	U	1700	U	6770	U
2-Nitrophenol	NS	1300	U	1400	U	1400	U	1200	U	1300	U	1400	U	240	U	1400	U
4-Nitrophenol	NS	2100	U	2200	U	2200	U	2000	U	2100	U	2300	U	390	U	2200	U
Pentachlorophenol	6,700	2200	U	2200	U	2200	U	2000	U	2100	U	2200	U	390	U	2200	U
Phenol	500,000	1300	U	1400	U	1300	U	1200	U	1300	U	1400	U	3210	U	1300	U
2,4,5-Trichlorophenol	NS	1500	U	1500	U	1500	U	1400	U	1400	U	1600	U	270	U	1500	U
2,4,6-Trichlorophenol	NS	1200	U	1200	U	1200	U	1100	U	1100	U	1200	U	220	U	1200	U
Acenaphthene	500,000	601000		7540		96900		269000		267000		1180000		235000		124000	
Acenaphthylene	500,000	19800		410	U	7250		602000		47500		7830		75400		159000	
Anthracene	500,000	324000		5580		53400		1060000		217000		102000		252000		358000	
Benzo(a)anthracene	5,600	32100		420	U	7450		73100		825000		11100		230000		4040	
Benzo(a)pyrene	1,000	11200		390	U	4060		607000		62700		121000		4220		180000	
Benzo(b)fluoranthene	5,600	9610		430	U	4240		512000		41300		98500		2330		205000	
Benzo(g,h,i)perylene	500,000	3480		480	U	1930		224000		35000		57600		1720		94500	
Benzo(k)fluoranthene	56,000	9010		480	U	2230		345000		43800		69700		3780		72700	
4-Bromophenyl phenyl ether	NS	460	U	470	U	470	U	420	U	440	U	460	U	83	U	460	U
Butyl benzyl phthalate	NS	730	U	750	U	740	U	680	U	700	U	730	U	130	U	740	U
2-Chloronaphthalene	NS	390	U	400	U	400	U	360	U	380	U	390	U	71	U	400	U
4-Chloroaniline	NS	400	U	410	U	410	U	370	U	390	U	400	U	430	U	73	U
Carbazole	NS	36800		11800		14100		379000		31000		17800		22300	J	8710	
Chrysene	56,000	28600		440	U	8020		826000		67900		144000		10400		214000	
bis(2-Chloroethoxy)methane	NS	510	U	520	U	520	U	470	U	490	U	510	U	92	U	520	U
bis(2-Chloroethyl)ether	NS	380	U	390	U	390	U	350	U	370	U	380	U	69	U	380	U
bis(2-Chloroisopropyl)ether	NS	370	U	380	U	380	U	350	U	360	U	370	U	68	U	380	U
4-Chlorophenyl phenyl ether	NS	380	U	390	U	390	U	350	U	370	U	380	U	410	U	390	U
1,2-Dichlorobenzene	500,000	360	U	370	U	370	U	340	U	350	U	360	U	66	U	370	U
1,3-Dichlorobenzene	280,000	340	U	350	U	340	U	310	U	330	U	340	U	61	U	340	U
1,4-Dichlorobenzene	130,000	280	U	290	U	290	U	260	U	270	U	280	U	51	U	290	U
2,4-Dinitrotoluene	NS	550	U	560	U	560	U	510	U	530	U	550	U	100	U	560	U
2,6-Dinitrotoluene	NS	480	U	490	U	490	U	450	U	460	U	480	U	87	U	490	U
3,3'-Dichlorobenzidine	NS	320	U	330	U	330	U	300	U	310	U	320	U	58	U	320	U
Dibenzo(a,h)anthracene	560	1600		440	U	440	U	91400		10100		22500		609	J	40800	
Dibenzofuran	350,000	452000		1960	J	96400		789000		241000		147000		970000		171000	
Di-n-butyl phthalate	NS	280	U	290	U	290	U	260	U	270	U	280	U	300	U	51	U
Di-n-octyl phthalate	NS	610	U	630	U	630	U	570	U	590	U	610	U	660	U	110	U
Diethyl phthalate	NS	430	U	440	U	440	U	400	U	410	U	430	U	460	U	78	U
Dimethyl phthalate	NS	440	U	450	U	450	U	410	U	430	U	440	U	480	U	81	U
bis(2-Ethylhexyl)phthalate	NS	1100	U	1100	U	1100	U	1000	U	1100	U	1100	U	200	U	1100	U
Fluoranthene	500,000	207000		3870		43700		1650000		286000		332000		75100		565000	
Fluorene	500,000	531000		8550		93500		1310000		298000		193000		1010000		231000	
Hexachlorobenzene	6,000	410	U	420	U	420	U	380	U	400	U	410	U	75	U	420	U
Hexachlorobutadiene	NS	350	U	360	U	360	U	330	U	340	U	350	U	64	U	360	U
Hexachlorocyclopentadiene	NS	1300	U	1300	U	1300	U	1200	U	1200	U	1300	U	230	U	1300	U
Hexachloroethane	NS	350	U	360	U	360	U	330	U	340	U	350	U	64	U	360	U
Indeno(1,2,3-cd)pyrene	5,600	3600		450	U	1690		219000		31200		55100		1590		79900	
Isophorone	NS	340	U	350	U	350	U	310	U	330	U	340	U	62	U	340	U
2-Methylnaphthalene	NS	1560000		1700	J	225000		1220000		627000		52800		2920000		314000	
2-Nitroaniline	NS	550	U	570	U	570	U	520	U	540	U	550	U	600	U	100	U
3-Nitroaniline	NS	500	U	520	U	510	U	470	U	490	U	500	U	540	U	92	U
4-Nitroaniline	NS	490	U	500	U	500	U	460	U	470	U	490	U	530	U	89	U
Naphthalene	500,000	5630000		10300		949000		1240000		7150000		301000		28600000		1170000	
Nitrobenzene	NS	360	U	370	U	370	U	340	U	350	U	360	U	390	U	66	U
N-Nitroso-di-n-propylamine	NS	310	U	310	U	310	U	290	U	300	U	310	U	330	U	56	U
N-Nitrosodiphenylamine	NS	750	U	770	U	770	U	700	U	730	U	750	U	810	U	140	U
Phenanthrene	500,000	914000		1460		142000		3300000		625000		587000		1630000		916000	
Pyrene	500,000	125000		2170		31300		1610000		226000		291000		50900		467000	
1,2,4-Trichlorobenzene	NS	340	U	340	U	340	U	310	U	320	U	340	U	360	U	61	U
Total SVOCs		10499800		56170		1755210		15718500		10312700		2884200		36606179		5346890	

Notes:
Commerical RUSCOs refer to the 6 New York State Code of
(NYCRR) Table 375-6.8(b) Restricted Use Soil
Cleanup Objectives (RUSCOs) for Commercial Facilities;
Values above RUSCOs in **BOLD**
SVOCs - Semi-volatile organic compounds
µg/kg - micrograms per kilogram
NS - No standard
U - Below detection limit
J - Estimated value detected above qualitative method detec
below the quantitative reporting detection limit (RDL).

Table 5
Soil Analytical Results
SVOCs Detected in Soils
Post-Injection
Parcel 8
Results in µg/kg
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory Objectives	PO-27-2S		PO-27-5S		PO-27-6S		PO-27-7S		PO-11-10		PO-11-11		PO-11-3		PO-11-9		PO-11-I		PO-27-1D		PO-27-2D		PO-27-3D		PO-27-3S		PO-27-4D		PO-27-4S		PO-27-5D		PO-27-6D		PO-27-7D	
Lab Sample ID	RUSCOs	JA45914-9		JA45914-13		JA45914-15		JA45914-16		JA46464-22		JA46464-21		JA46464-20		JA46464-19		JA46464-18		JA46464-3		JA46464-6		JA46464-16		JA46464-13		JA46464-15		JA46464-14		JA46464-8		JA46464-9		JA46464-10	
Date Sampled		5/4/2010		5/5/2010		5/5/2010		5/12/2010		5/5/2010		5/12/2010		5/12/2010		5/12/2010		5/12/2010		5/10/2010		5/11/2010		5/12/2010		5/12/2010		5/12/2010		5/11/2010		5/12/2010		5/11/2010			
SVOCs (µg/kg)		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q		
2-Chlorophenol	NS	38	U	37	U	43	U	35	U	42	U	36	U	38	U	36	U	38	U	42	U	43	U	36	U	36	U	39	U	36	U	39	U	38	U		
4-Chloro-3-methyl phenol	NS	38	U	37	U	43	U	35	U	42	U	36	U	38	U	36	U	38	U	42	U	42	U	35	U	36	U	39	U	35	U	39	U	38	U		
2,4-Dichlorophenol	NS	60	U	59	U	68	U	56	U	67	U	58	U	60	U	57	U	61	U	67	U	68	U	57	U	57	U	63	U	57	U	63	U	61	U		
2,4-Dimethylphenol	NS	63	U	62	U	71	U	59	U	295		365		63	U	2890		63	U	5420		7430		59	U	60	U	3360		59	U	1270		6190			
2,4-Dinitrophenol	NS	46	U	45	U	52	U	43	U	51	U	44	U	46	U	43	U	46	U	51	U	52	U	43	U	43	U	48	U	43	U	48	U	46	U		
4,6-Dinitro-o-cresol	NS	46	U	45	U	52	U	43	U	46	U	44	U	46	U	43	U	46	U	51	U	52	U	43	U	43	U	48	U	43	U	48	U	46	U		
2-Methylphenol	NS	43	U	42	U	48	U	40	U	48	U	41	U	43	U	41	U	43	U	140		119		40	U	41	U	232		40	U	139		43	U		
3&4-Methylphenol	NS	48	U	47	U	54	U	45	U	53	U	45	U	48	U	45	U	48	U	78.5	J	146		45	U	45	U	279		45	U	50	U	48	U		
2-Nitrophenol	NS	40	U	39	U	45	U	37	U	44	U	38	U	40	U	38	U	40	U	44	U	45	U	37	U	38	U	41	U	37	U	38	U	41	U		
4-Nitrophenol	NS	63	U	62	U	72	U	59	U	71	U	60	U	63	U	60	U	64	U	70	U	72	U	59	U	60	U	66	U	60	U	66	U	64	U		
Pentachlorophenol	6,700	64	U	63	U	73	U	60	U	71	U	61	U	64	U	61	U	64	U	71	U	72	U	60	U	61	U	67	U	60	U	61	U	67	U		
Phenol	500,000	39	U	39	U	45	U	37	U	44	U	38	U	39	U	144		40	U	44	U	77.7	J	37	U	37	U	417		37	U	37	U	41	U		
2,4,5-Trichlorophenol	NS	44	U	43	U	49	U	41	U	48	U	41	U	44	U	41	U	44	U	48	U	49	U	41	U	41	U	45	U	41	U	45	U	44	U		
2,4,6-Trichlorophenol	NS	35	U	35	U	40	U	33	U	39	U	34	U	35	U	33	U	35	U	39	U	40	U	33	U	33	U	37	U	33	U	37	U	35	U		
Acenaphthene	500,000	65600		156		8970		435		271		64900		326000		66400		2820		1640		1630		222000		395		16900		18800		65100		206			
Acenaphthylene	500,000	13100		12	U	338		61.4		13	U	3310		16300		2750		72.3		69.9		121		26800	J	1050		821		6620		821		3090			
Anthracene	500,000	35800		139		4290		129		97.1		34800		165000		31400		2070		516		598		108000		257		7620		9160		42100		89.9			
Benzo(a)anthracene	5,600	8540		75.7		1690		11	U	45.8		14500		61200		10800		654		126		182		35100		113		800		5980		6310		32.8	J		
Benzo(a)pyrene	1,000	5060		41.8		916		11	U	28.3	J	11000		35100		7050		509		79.6		130		24100		64.2		439		2550		1460		17.2	J		
Benzo(b)fluoranthene	5,600	3000		132		650		12	U	23.7	J	9030		28900		5880		409		69.5		100		17700	J	48.2		340		1950		1170		13	U		
Benzo(g,h,i)perylene	500,000	2350		24.6		367		13	U	16	U	5020		13500		2830		243		37.9	J	58.4		11300	J	31.0	J	204		1020		434		15	U		
Benzo(k)fluoranthene	56,000	3580		29.3	J	565		13	U	24.7	J	3220		22500		2930		356		53.5		85.7		18300		48.2		295		1260		1140		15	U		
4-Bromophenyl phenyl ether	NS	14	U	13	U	15	U	13	U	15	U	13	U	14	U	13	U	14	U	15	U	15	U	13	U	13	U	14	U	13	U	13	U	14	U		
Butyl benzyl phthalate	NS	22	U	21	U	25	U	20	U	24	U	21	U	22	U	21	U	22	U	24	U	25	U	20	U	21	U	23	U	20	U	21	U	23	U		
2-Chloronaphthalene	NS	12	U	11	U	13	U	11	U	13	U	11	U	12	U	11	U	12	U	13	U	13	U	11	U	11	U	12	U	11	U	11	U	12	U		
4-Chloroaniline	NS	12	U	12	U	14	U	11	U	13	U	11	U	12	U	11	U	12	U	13	U	14	U	11	U	11	U	12	U	11	U	11	U	12	U		
Carbazole	NS	8870		87.4		896		661		37.4	J	13800		59200	J	11900		1300		270		473		19800	J	458		7960		659		10400		37.0	J		
Chrysene	56,000	9060		110		1350		12	U	42.9		13900		58400		10500		669		121		182		32100		109		746		5590		29.9	J	7810			
bis(2-Chloroethoxy)methane	NS	15	U	15	U	17	U	14	U	17	U	14	U	15	U	14	U	15	U	17	U	17	U	14	U	14	U	16	U	14	U	14	U	16	U		
bis(2-Chloroethyl)ether	NS	11	U	11	U	13	U	11	U	13	U	11	U	11	U	11	U	13	U	13	U	13	U	11	U	11	U	12	U	11	U	11	U	12	U		
bis(2-Chloroisopropyl)ether	NS	11	U	11	U	13	U	10	U	12	U	11	U	11	U	11	U	11	U	12	U	13	U	10	U	11	U	12	U	10	U	11	U	11	U		
4-Chlorophenyl phenyl ether	NS	11	U	11	U	13	U	11	U	13	U	11	U	11	U	11	U	13	U	13	U	13	U	11	U	11	U	12	U	11	U	11	U	12	U		
1,2-Dichlorobenzene	500,000	11	U	11	U	12	U	10	U	12	U	10	U	11	U	10	U	11	U	12	U	12	U	10	U	10	U	11	U	10	U	11	U	11	U		
1,3-Dichlorobenzene	280,000	10	U	9.8	U	11	U	9.4	U	11	U	9.6	U	10	U	9.5	U	10	U	11	U	11	U	9.4	U	9.5	U	10	U	9.4	U	9.5	U	10	U		
1,4-Dichlorobenzene	130,000	8.4	U	8.2	U	9.5	U	7.8	U	9.3	U	8.0	U	8.4	U	7.9	U	8.4	U	9.3	U	9.4	U	7.9	U	7.9	U	8.7	U	7.9	U	7.9	U	8.7	U		
2,4-Dinitrotoluene	NS	16	U	16	U	19	U	15	U	18	U	16	U	16	U	16	U	16	U	18	U	18	U	15	U	16	U	17	U	15	U	17	U	16	U		
2,6-Dinitrotoluene	NS	14	U	14	U	16	U	13	U	16	U	14	U	14	U	14	U	14	U	16	U	16	U	13	U	13	U	15	U	14	U	15	U	14	U		
3,3'-Dichlorobenzidine	NS	9.5	U	9.3	U	11	U	8.9	U	9.1	U	9.5	U	9.0	U	9.6	U	9.6	U	11	U	11	U	8.9	U	9.0	U	9.9	U	8.9	U	9.0	U	9.9	U		
Dibenzo(a,h)anthracene	560	1060		13		199		12	U	14	U	1320		4350		943		92.0		16.7	J	22.6	J	3440		17.2	J	79.2		349		187		13	U		
Dibenzofuran	350,000	62500		93.9		7050		440		212		59500		253000		55900		7610		1470		1490		207000		630		16000		13100		69400		193			
Di-n-butyl phthalate	NS	8.3	U	8.1	U	9.4	U	7.8	U	9.3	U	7.9	U	8.3	U	7.9	U	8.4	U	9.2	U	9.4	U	7.8	U	7.9	U	8.7	U	7.9	U	8.7	U	8.4	U		
Di-n-octyl phthalate	NS	18	U	18	U	21	U	17	U	20	U	17	U	18	U	17	U	18	U	20	U	21	U	17	U	19	U	17	U	19	U	18	U	18	U		
Diethyl phthalate	NS	13	U	13	U	15	U	12	U	14	U	12	U	13	U	12	U	13	U	14	U	14	U	12	U	12	U	13	U	12	U	13	U	13	U		
Dimethyl phthalate	NS	13	U	13	U	15	U	367		15	U	13	U	13	U	13	U	43.0	J	15	U	15	U	12	U	13	U	14	U	12	U	14	U	13	U		
bis(2-Ethylhexyl)phthalate	NS	33	U	32	U	38	U	46.1	J	37	U	32	U	33	U	31	U	33	U	66.9																	

Table 5
Soil Analytical Results
SVOCs Detected in Soils
Post-Injection
Parcel 8
Results in µg/kg
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory Objectives RUSCOs	PO-27-8D JA46464-11 5/11/2010	PO-27-8S JA46464-1 5/10/2010	PO-11-12 JA46609-11 5/14/2010	PO-11-13 JA46609-7 5/13/2010	PO-11-14 JA46609-8 5/13/2010	PO-11-15 JA46609-3 5/13/2010	PO-11-16 JA46609-4 5/13/2010	PO-11-2 JA46609-5 5/13/2010	PO-11-4 JA46609-6 5/13/2010	PO-11-5 JA46609-9 5/14/2010	PO-11-6 JA46609-10 5/14/2010	PO-11-7 JA46609-1 5/13/2010	PO-11-8 JA46609-2 5/13/2010	
Lab Sample ID		Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q	Result	Q
Date Sampled															
SVOCs (µg/kg)															
2-Chlorophenol	NS	37	U	38	U	38	U	36	U	40	U	38	U	38	U
4-Chloro-3-methyl phenol	NS	36	U	37	U	37	U	36	U	39	U	38	U	38	U
2,4-Dichlorophenol	NS	59	U	60	U	60	U	57	U	63	U	61	U	58	U
2,4-Dimethylphenol	NS	808		63	U	63	U	60	U	66	U	64	U	61	U
2,4-Dinitrophenol	NS	44	U	46	U	46	U	43	U	48	U	46	U	44	U
4,6-Dinitro-o-cresol	NS	44	U	46	U	46	U	43	U	48	U	46	U	44	U
2-Methylphenol	NS	42	U	43	U	43	U	40	U	45	U	43	U	41	U
3&4-Methylphenol	NS	160		48	U	48	U	45	U	50	U	48	U	46	U
2-Nitrophenol	NS	39	U	40	U	40	U	38	U	42	U	40	U	38	U
4-Nitrophenol	NS	62	U	63	U	63	U	60	U	66	U	64	U	61	U
Pentachlorophenol	6,700	62	U	64	U	64	U	61	U	67	U	65	U	62	U
Phenol	500,000	38	U	39	U	39	U	37	U	41	U	40	U	38	U
2,4,5-Trichlorophenol	NS	42	U	43	U	43	U	41	U	45	U	44	U	42	U
2,4,6-Trichlorophenol	NS	34	U	35	U	35	U	33	U	37	U	36	U	34	U
Acenaphthene	500,000	43400		12400		52200		485000		1410		68.6		43.1	
Acenaphthylene	500,000	4940		1210		19500		13	U	13	U	12	U	12	U
Anthracene	500,000	22300		13600		25100		211000		78.7		14	U	13	U
Benzo(a)anthracene	5,600	5530		3570		7750		71700		25.8	J	13	U	12	U
Benzo(a)pyrene	1,000	2560		3210		3270		41800		12	U	12	U	12	U
Benzo(b)fluoranthene	5,600	1900		2420		3100		35600		13	U	13	U	13	U
Benzo(g,h,i)perylene	500,000	1040		1670		1180		16800		15	U	15	U	14	U
Benzo(k)fluoranthene	56,000	1520		1830		1310		23900		15	U	15	U	14	U
4-Bromophenyl phenyl ether	NS	13	U	14	U	14	U	13	U	14	U	14	U	13	U
Butyl benzyl phthalate	NS	73.5		22	U	22	U	1570		23	U	22	U	21	U
2-Chloronaphthalene	NS	11	U	12	U	12	U	11	U	12	U	12	U	11	U
4-Chloroaniline	NS	12	U	12	U	12	U	11	U	13	U	12	U	12	U
Carbazole	NS	8080		40100		7010		54700		594		20.1	J	18	U
Chrysene	56,000	5180		3270		7450		66800		19.2	J	13	U	13	U
bis(2-Chloroethoxy)methane	NS	15	U	15	U	15	U	14	U	16	U	15	U	15	U
bis(2-Chloroethyl)ether	NS	11	U	11	U	11	U	11	U	12	U	11	U	11	U
bis(2-Chloroisopropyl)ether	NS	11	U	11	U	11	U	11	U	12	U	11	U	11	U
4-Chlorophenyl phenyl ether	NS	11	U	11	U	11	U	11	U	12	U	11	U	11	U
1,2-Dichlorobenzene	500,000	10	U	11	U	11	U	10	U	11	U	11	U	11	U
1,3-Dichlorobenzene	280,000	9.8	U	10	U	10	U	9.5	U	11	U	10	U	9.7	U
1,4-Dichlorobenzene	130,000	8.1	U	8.3	U	8.3	U	7.9	U	8.7	U	8.4	U	8.1	U
2,4-Dinitrotoluene	NS	16	U	16	U	16	U	16	U	17	U	17	U	16	U
2,6-Dinitrotoluene	NS	14	U	14	U	14	U	14	U	15	U	14	U	15	U
3,3'-Dichlorobenzidine	NS	9.3	U	9.5	U	9.5	U	9.0	U	10	U	9.6	U	9.2	U
Dibenzo(a,h)anthracene	560	375		599		389		5710		13	U	13	U	648	
Dibenzofuran	350,000	41200		13900		42500		383000		820		50.0	J	29.0	J
Di-n-butyl phthalate	NS	8.1	U	8.3	U	8.3	U	7.9	U	8.7	U	8.4	U	8.0	U
Di-n-octyl phthalate	NS	18	U	18	U	18	U	17	U	19	U	18	U	18	U
Diethyl phthalate	NS	12	U	13	U	13	U	12	U	13	U	13	U	12	U
Dimethyl phthalate	NS	13	U	13	U	13	U	13	U	14	U	13	U	13	U
bis(2-Ethylhexyl)phthalate	NS	32	U	33	U	33	U	31	U	35	U	33	U	95.2	
Fluoranthene	500,000	26500		15700		47500		403000		118		17	U	17	U
Fluorene	500,000	39700		27800		40800		350000		451		23.6	J	12	U
Hexachlorobenzene	6,000	12	U	12	U	12	U	12	U	13	U	12	U	12	U
Hexachlorobutadiene	NS	10	U	10	U	10	U	9.9	U	11	U	11	U	10	U
Hexachlorocyclopentadiene	NS	37	U	38	U	38	U	36	U	40	U	39	U	37	U
Hexachloroethane	NS	10	U	10	U	10	U	9.9	U	11	U	11	U	10	U
Indeno(1,2,3-cd)pyrene	5,600	1010		1530		1100		15600		14	U	14	U	13	U
Isophorone	NS	9.8	U	10	U	10	U	9.6	U	11	U	10	U	9.7	U
2-Methylnaphthalene	NS	124000		36800		74200		769000		492		22	U	21	U
2-Nitroaniline	NS	16	U	16	U	16	U	16	U	17	U	17	U	16	U
3-Nitroaniline	NS	15	U	15	U	15	U	14	U	16	U	15	U	15	U
4-Nitroaniline	NS	14	U	15	U	15	U	14	U	15	U	15	U	14	U
Naphthalene	500,000	539000		274000		310000		3560000		19100		108		151	
Nitrobenzene	NS	11	U	11	U	11	U	10	U	11	U	11	U	11	U
N-Nitroso-di-n-propylamine	NS	8.9	U	9.1	U	9.1	U	8.7	U	9.6	U	9.2	U	8.8	U
N-Nitrosodiphenylamine	NS	22	U	22	U	22	U	21	U	23	U	23	U	22	U
Phenanthrene	500,000	92800		31900		130000		1150000		1160		36.9	J	17	U
Pyrene	500,000	19600		12700		33500		293000		84.7		15	U	15	U
1,2,4-Trichlorobenzene	NS	9.7	U	10	U	10	U	9.4	U	10	U	10	U	9.6	U
Total SVOCs		976663		498209		789919		7957680		24458.4		307.2		72.1	

Table 5
Soil Analytical Results-Post-Injection
TPHs in Soils
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PO-19-2	PO-19-9	PO-24-1D	PO-24-3S	PO-27-1S	PO-27-2S	PO-27-6S	PO-27-7S
Lab Sample ID	Objectives	JA45591-24	JA45591-27	JA45591-16	JA45591-1	JA45914-8R	JA45914-9R	JA45914-15R	JA45914-16R
Date Sampled	RUSCOs	4/30/2010	4/30/2010	4/29/2010	4/27/2010	5/4/2010	5/4/2010	5/5/2010	5/5/2010
TPH-GRO (C6-C10) (µg/kg)	NS	3270	3970	18.8	1.5 U	18.4	27.8	696	3.6 U
TPH-DRO (C10-C28) (µg/kg)	NS	10300	11100	3300	164	502	4500	4290	244

Notes:

Commerical RUSCOs refer to the 6 New York State Code of Rules and Regulations (NYCRR) Table 375-6.8(b) Restricted Use Soil Cleanup Objectives (RUSCOs) for Commercial Facilities;
Values above RUSCOs in **BOLD**
TPH GRO -Total Petroleum Hydrocarbons, Gasoline Ranged Organics
TPH DRO -Total Petroleum Hydrocarbons, Diesel Ranged Organics
µg/kg - micrograms per kilogram
NS - No standard
U - Below detection limit
J - Estimated value detected above qualitative method detection limit (MDL) & below the quantitative reporting detection limit (RDL).

Table 6
Groundwater Analytical Results-Post-Injection
VOCs in Groundwater
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory Objectives	PO-24-S1		PO-24-S2		PO-24-S4		PO-24-S6		PO-24-S7		PO-19-S1		PO-19-S3		PO-19-S4		PO-19-S5		PO-27-S1
Lab Sample ID	TOGS GA AWQS	JA45591-21		JA45591-22		JA45591-15		JA45591-12		JA45591-11		JA45914-2		JA45914-4		JA45914-6		JA45914-7		JA45914-10
Date Sampled		4/29/2010		4/29/2010		4/29/2010		4/28/2010		4/28/2010		5/3/2010		5/3/2010		5/4/2010		5/4/2010		5/5/2010
VOCs (µg/L)																				
Acetone	50	57	U	57	U	6.3	J	140	U	29	U	29	U	29	U	587		1120		198
Benzene	1	2140		102		758		998		644		396		45.9		111		772		177
Bromodichloromethane	50	4.4	U	4.4	U	0.22	U	11	U	2.2	U	2.2	U	2.2	U	4.4	U	2.2	U	2.2
Bromoform	50	4.6	U	4.6	U	0.23	U	12	U	2.3	U	2.3	U	2.3	U	4.6	U	2.3	U	2.3
Bromomethane	5	5.9	U	5.9	U	0.30	U	15	U	3.0	U	3.0	U	3.0	U	29.3	J	16.0	J	3.0
2-Butanone (MEK)	50	32	U	32	U	1.6	U	81	U	16	U	16	U	16	U	32	U	140		16
Carbon disulfide	60	15	U	15	U	4.5		37	U	7.4	U	7.4	U	7.4	U	112		16.0	J	108
Carbon tetrachloride	5	5.1	U	5.1	U	0.26	U	13	U	2.6	U	2.6	U	2.6	U	5.1	U	2.6	U	2.6
Chlorobenzene	5	7.8	U	7.8	U	19.0		19	U	3.9	U	3.9	U	3.9	U	7.8	U	3.9	U	3.9
Chloroethane	5	7.4	U	7.4	U	0.37	U	19	U	3.7	U	3.7	U	3.7	U	7.4	U	3.7	U	3.7
Chloroform	7	4.7	U	4.7	U	0.23	U	12	U	2.3	U	2.3	U	2.3	U	4.7	U	2.3	U	2.3
Chloromethane	NS	5.8	U	5.8	U	0.29	U	14	U	2.9	U	2.9	U	2.9	U	200		119		2.9
Dibromochloromethane	50	4.3	U	4.3	U	0.22	U	11	U	2.2	U	2.2	U	2.2	U	4.3	U	2.2	U	2.2
1,1-Dichloroethane	5	5.7	U	5.7	U	0.29	U	14	U	2.9	U	2.9	U	2.9	U	5.7	U	2.9	U	2.9
1,2-Dichloroethane	0.6	6.7	U	6.7	U	0.33	U	17	U	3.3	U	3.3	U	3.3	U	6.7	U	3.3	U	3.3
1,1-Dichloroethene	5	7.9	U	7.9	U	0.40	U	20	U	4.0	U	4.0	U	4.0	U	7.9	U	4.0	U	4.0
cis-1,2-Dichloroethene	5	4.3	U	4.3	U	0.22	U	11	U	2.2	U	2.2	U	2.2	U	4.3	U	2.2	U	2.2
trans-1,2-Dichloroethene	5	5.0	U	5.0	U	0.25	U	12	U	2.5	U	2.5	U	2.5	U	5.0	U	2.5	U	2.5
1,2-Dichloroethene (total)	NS	4.3	U	4.3	U	0.22	U	11	U	2.2	U	2.2	U	2.2	U	4.3	U	2.2	U	2.2
1,2-Dichloropropane	1	5.5	U	5.5	U	0.27	U	14	U	2.7	U	2.7	U	2.7	U	5.5	U	2.7	U	2.7
cis-1,3-Dichloropropene	NS	5.0	U	5.0	U	0.25	U	12	U	2.5	U	2.5	U	2.5	U	5.0	U	2.5	U	2.5
trans-1,3-Dichloropropene	NS	4.3	U	4.3	U	0.21	U	11	U	2.1	U	2.1	U	2.1	U	4.3	U	2.1	U	2.1
Ethylbenzene	5	310		39.8		662		1350		1190		662		536		1460		557		388
2-Hexanone	50	28	U	28	U	1.4	U	70	U	14	U	14	U	14	U	28	U	14	U	14
Methyl Tert Butyl Ether	10	8.0	J	98.2		1.3		12	U	2.3	U	2.3	U	2.3	U	4.7	U	2.3	U	2.3
4-Methyl-2-pentanone(MIBK)	NS	17	U	17	U	0.86	U	43	U	8.6	U	8.6	U	8.6	U	17	U	8.6	U	8.6
Methylene chloride	5	6.1	U	6.1	U	0.30	U	15	U	3.0	U	3.0	U	3.0	U	6.1	U	3.0	U	3.0
Styrene	5	26.3	J	12	U	0.58	U	29	U	5.8	U	5.8	U	5.8	U	12	U	5.8	U	5.8
1,1,2,2-Tetrachloroethane	5	4.8	U	4.8	U	0.24	U	12	U	2.4	U	2.4	U	2.4	U	4.8	U	2.4	U	2.4
Tetrachloroethene	5	5.3	U	5.3	U	0.27	U	13	U	2.7	U	2.7	U	2.7	U	5.3	U	2.7	U	2.7
Toluene	5	806		157		419		28300		507		1220		614		1570		693		342
1,1,1-Trichloroethane	5	5.1	U	5.1	U	0.26	U	13	U	2.6	U	2.6	U	2.6	U	5.1	U	2.6	U	2.6
1,1,2-Trichloroethane	1	4.6	U	4.6	U	0.23	U	12	U	2.3	U	2.3	U	2.3	U	4.6	U	2.3	U	2.3
Trichloroethene	5	4.8	U	4.8	U	0.24	U	12	U	2.4	U	2.4	U	2.4	U	4.8	U	2.4	U	2.4
Vinyl chloride	2	8.9	U	8.9	U	0.44	U	22	U	4.4	U	4.4	U	4.4	U	8.9	U	4.4	U	4.4
Xylene (total)	5	828		138		1380		4840		2930		2160		2380		5740		2090		1960
Total VOCs		4118.3		535		3220.3		35500		5273.3		4438		3575.9		9222.3		5523		3194.9

Notes:
TOGS = Technical and Operational Guidance Series 1.1.1
Ambient Water Quality Standards (AWQS) and Guidance Values
and Groundwater Effluent Standards dated June 1998
and associated errata and addendums;
Values listed are standards and guidance values
(whichever applicable) for Class GA Groundwater;
Values above TOGS in **BOLD**
VOCs - Volatile organic compounds
NS - No standard
µg/L- micrograms per liter
U - Below detection limit
J - Estimated values detected above qualitative method detection limit (MDL)
& below the quantitative reporting detection limit (RDL).

Table 6
Groundwater Analytical Results-Post-Injection
VOCs in Groundwater
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory Objectives	PO-27-S2		PO-27-S3		PO-19-S6		PO-19-S7		PO-19-S8		PO-24-S3		PO-24-S5		PO-24-S8		TRIP BLANK	
Lab Sample ID	TOGS GA AWQS	JA45914-11		JA45914-14		JA46464-17		JA46464-12		JA46464-7		JA46464-4		JA46464-5		JA46464-2		JA46464-23	
Date Sampled		5/5/2010		5/5/2010		5/12/2010		5/12/2010		5/11/2010		5/10/2010		5/10/2010		5/10/2010		5/12/2010	
VOCs (µg/L)																			
Acetone	50	57	U	228		290	U	505		57	U	148		57	U	57	U	2.9	U
Benzene	1	1280		762		5890		655		11900		2030		61.7		33.9		0.23	U
Bromodichloromethane	50	4.4	U	2.2	U	22	U	4.4	U	4.4	U	2.2	U	4.4	U	4.4	U	0.22	U
Bromoform	50	4.6	U	2.3	U	23	U	4.6	U	4.6	U	2.3	U	4.6	U	4.6	U	0.23	U
Bromomethane	5	5.9	U	3.0	U	30	U	5.9	U	5.9	U	3.0	U	5.9	U	5.9	U	0.30	U
2-Butanone (MEK)	50	32	U	16	U	160	U	32	U	32	U	16	U	32	U	32	U	1.6	U
Carbon disulfide	60	15	U	7.4	U	74	U	15	U	15	U	10.7	J	15	U	15	U	0.74	U
Carbon tetrachloride	5	5.1	U	2.6	U	26	U	5.1	U	5.1	U	2.6	U	5.1	U	5.1	U	0.26	U
Chlorobenzene	5	7.8	U	3.9	U	39	U	7.8	U	7.8	U	3.9	U	7.8	U	7.8	U	0.39	U
Chloroethane	5	7.4	U	3.7	U	37	U	7.4	U	7.4	U	3.7	U	7.4	U	7.4	U	0.37	U
Chloroform	7	4.7	U	2.3	U	23	U	4.7	U	4.7	U	2.3	U	4.7	U	4.7	U	0.23	U
Chloromethane	NS	5.8	U	2.9	U	29	U	24.1		5.8	U	2.9	U	5.8	U	5.8	U	0.29	U
Dibromochloromethane	50	4.3	U	2.2	U	22	U	4.3	U	4.3	U	2.2	U	4.3	U	4.3	U	0.22	U
1,1-Dichloroethane	5	5.7	U	2.9	U	29	U	5.7	U	5.7	U	2.9	U	5.7	U	5.7	U	0.29	U
1,2-Dichloroethane	0.6	6.7	U	3.3	U	33	U	6.7	U	6.7	U	3.3	U	6.7	U	6.7	U	0.33	U
1,1-Dichloroethene	5	7.9	U	4.0	U	40	U	7.9	U	7.9	U	4.0	U	7.9	U	7.9	U	0.40	U
cis-1,2-Dichloroethene	5	4.3	U	2.2	U	22	U	4.3	U	4.3	U	2.2	U	4.3	U	4.3	U	0.22	U
trans-1,2-Dichloroethene	5	5.0	U	2.5	U	25	U	5.0	U	5.0	U	2.5	U	5.0	U	5.0	U	0.25	U
1,2-Dichloroethene (total)	NS	4.3	U	2.2	U	22	U	4.3	U	4.3	U	2.2	U	4.3	U	4.3	U	0.22	U
1,2-Dichloropropane	1	5.5	U	2.7	U	27	U	5.5	U	5.5	U	2.7	U	5.5	U	5.5	U	0.27	U
cis-1,3-Dichloropropene	NS	5.0	U	2.5	U	25	U	5.0	U	5.0	U	2.5	U	5.0	U	5.0	U	0.25	U
trans-1,3-Dichloropropene	NS	4.3	U	2.1	U	21	U	4.3	U	4.3	U	2.1	U	4.3	U	4.3	U	0.21	U
Ethylbenzene	5	748		568		1850		1220		513		89.9		1560		1560		0.27	U
2-Hexanone	50	28	U	14	U	140	U	28	U	28	U	14	U	28	U	28	U	1.4	U
Methyl Tert Butyl Ether	10	4.7	U	2.3	U	23	U	4.7	U	4.7	U	2.3	U	4.7	U	4.7	U	0.23	U
4-Methyl-2-pentanone(MIBK)	NS	17	U	8.6	U	86	U	17	U	17	U	8.6	U	17	U	17	U	0.86	U
Methylene chloride	5	6.1	U	3.0	U	30	U	6.1	U	6.1	U	3.0	U	6.1	U	6.1	U	0.30	U
Styrene	5	12	U	5.8	U	58	U	12	U	12	U	5.8	U	12	U	12	U	0.58	U
1,1,1,2-Tetrachloroethane	5	4.8	U	2.4	U	24	U	4.8	U	4.8	U	2.4	U	4.8	U	4.8	U	0.24	U
Tetrachloroethene	5	5.3	U	2.7	U	27	U	5.3	U	5.3	U	2.7	U	5.3	U	5.3	U	0.27	U
Toluene	5	1880		1030		12400		4570		17.5	J	749		6290		1670		0.30	U
1,1,1-Trichloroethane	5	5.1	U	2.6	U	26	U	5.1	U	5.1	U	2.6	U	5.1	U	5.1	U	0.26	U
1,1,2-Trichloroethane	1	4.6	U	2.3	U	23	U	4.6	U	4.6	U	2.3	U	4.6	U	4.6	U	0.23	U
Trichloroethene	5	4.8	U	2.4	U	24	U	4.8	U	4.8	U	2.4	U	4.8	U	4.8	U	0.24	U
Vinyl chloride	2	8.9	U	4.4	U	44	U	8.9	U	8.9	U	4.4	U	8.9	U	8.9	U	0.44	U
Xylene (total)	5	3120		3420		7500		5250		1210		470		5960		6290		0.25	U
Total VOCs		7028		6008		27640		11569.1		13623		3397		13871.7		9553.9			

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Values listed are standards and guidance values
(whichever applicable) for Class GA Groundwater;
Values above TOGS in **BOLD**
VOCs - Volatile organic compounds
NS - No standard
µg/L- micrograms per liter
U - Below detection limit
J - Estimated values detected above qualitative method detection limit
& below the quantitative reporting detection limit (RDL).

Table 6
Groundwater Analytical Results-Post-Injection
SVOCs in Groundwater
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PO-24-S1		PO-24-S4		PO-24-S6		PO-24-S7		PO-19-S1		PO-19-S3		PO-19-S4		PO-19-S5		PO-27-S1
Lab Sample ID	Objectives	JA45591-21		JA45591-15		JA45591-12		JA45591-11		JA45914-2		JA45914-4		JA45914-6		JA45914-7		JA45914-10
Date Sampled	TOGS GA AWQS	4/29/2010		4/29/2010		4/28/2010		4/28/2010		5/3/2010		5/3/2010		5/4/2010		5/4/2010		5/5/2010
SVOCs (µg/L)																		
2-Chlorophenol	NS	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1
4-Chloro-3-methyl phenol	NS	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	1.1
2,4-Dichlorophenol	5	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2
2,4-Dimethylphenol	1	3530		61.8		126		45.2		284		9.3		225		75.4		40.9
2,4-Dinitrophenol	10	0.76	U	0.74	U	0.74	U	0.74	U	0.74	U	0.74	U	0.74	U	0.74	U	0.74
4,6-Dinitro-o-cresol	NS	0.53	U	0.51	U	0.51	U	0.51	U	0.51	U	0.51	U	0.51	U	0.51	U	0.51
2-Methylphenol	NS	715		12.9		39.4		4.9		36.7		1.1	U	1.1	U	1.1	U	28.7
3&4-Methylphenol	NS	1910		10.7		63.6		4.3		53.0		1.0	U	106		88.5		50.4
2-Nitrophenol	1	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2
4-Nitrophenol	1	0.85	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	0.83
Pentachlorophenol	NS	0.82	U	0.80	U	0.80	U	0.80	U	0.80	U	0.80	U	0.80	U	0.80	U	0.80
Phenol	1	0.59	U	0.58	U	0.58	U	0.58	U	40.5		0.58	U	224		749		21.0
2,4,5-Trichlorophenol	1	1.4	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	1.3
2,4,6-Trichlorophenol	1	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2
Acenaphthene	20	69.3		22.9		194		98.2		299		302		40.0		44.5		44.1
Acenaphthylene	NS	52.9		10.7		7.1		9.8		1.8		2.1		12.1		74.5		5.7
Anthracene	50	15.5		6.7		35.2		5.1		39.4		52.1		8.1		12.5		4.4
Benzo(a)anthracene	0.002	5.5		3.7		1.8		0.51	J	9.2		5.0		0.57	J	1.1		0.12
Benzo(a)pyrene	0.002	3.7		3.1		0.64	J	0.095	U	5.2		1.5		0.095	U	0.51	J	0.095
Benzo(b)fluoranthene	0.002	3.6		2.8		0.72	J	0.25	U	5.7		2.1		0.25	U	0.56	J	0.25
Benzo(g,h,i)perylene	5	1.8		1.8		0.12	U	0.12	U	2.2		0.51	J	0.12	U	0.12	U	0.12
Benzo(k)fluoranthene	0.002	1.6		1.4		0.38	U	0.38	U	2.1		0.83	J	0.38	U	0.47	J	0.38
4-Bromophenyl phenyl ether	NS	0.36	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35
Butyl benzyl phthalate	50	0.26	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25
2-Chloronaphthalene	10	0.43	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42
4-Chloroaniline	5	0.26	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25
Carbazole	NS	76.5		188		238		171		68.4		148		65.9		35.3		115
Chrysene	0.002	4.7		3.4		1.5		0.45	J	7.9		4.4		0.50	J	1.0		0.11
bis(2-Chloroethoxy)methane	5	0.26	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25
bis(2-Chloroethyl)ether	1	0.32	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	0.31
bis(2-Chloroisopropyl)ether	NS	0.40	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39
4-Chlorophenyl phenyl ether	NS	0.36	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	0.35
1,2-Dichlorobenzene	3	0.44	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	0.42
1,3-Dichlorobenzene	3	0.37	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	0.36
1,4-Dichlorobenzene	3	0.40	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	0.39
2,4-Dinitrotoluene	5	0.23	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22
2,6-Dinitrotoluene	5	0.34	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	0.33
3,3'-Dichlorobenzidine	5	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	0.30
Dibenzo(a,h)anthracene	50	0.93	J	0.72	J	0.15	U	0.15	U	0.93	J	0.15	U	0.15	U	0.15	U	0.15
Dibenzofuran	NS	64.3		28.2		153		90.3		226		250		30.6		40.8		33.7
Di-n-butyl phthalate	50	0.20	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	0.19
Di-n-octyl phthalate	50	0.41	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	0.40
Diethyl phthalate	50	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17	U	0.17
Dimethyl phthalate	50	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	0.23
bis(2-Ethylhexyl)phthalate	5	9.2		2.1		0.33	U	1.1	J	2.7		0.33	U	5.7		3.2		0.33
Fluoranthene	50	19.9		10.8		12.3		3.6		48.5		39.2		4.8		8.5		1.7
Fluorene	50	49.5		19.9		112		56.9		154		227		19.9		29.2		22.0
Hexachlorobenzene	0.04	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	0.27
Hexachlorobutadiene	0.5	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	0.13
Hexachlorocyclopentadiene	5	0.25	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24
Hexachloroethane	5	0.22	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	0.21
Indeno(1,2,3-cd)pyrene	0.002	1.6		1.5		0.13	U	0.13	U	1.7		0.51	J	0.13	U	0.13	U	0.13
Isophorone	5	0.26	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25
2-Methylnaphthalene	NS	238		80.7		898		365		494		817		156		152		199
2-Nitroaniline	5	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	0.24
3-Nitroaniline	5	0.30	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	0.29
4-Nitroaniline	5	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18
Naphthalene	10	3790		2830		10400		9290		4550		7780		3030		2320		5270
Nitrobenzene	0.4	0.26	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	0.25
N-Nitroso-di-n-propylamine	NS	0.45	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44
N-Nitrosodiphenylamine	50	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22
Phenanthrene	50	92.7		31.2		131		55.5		243		274		25.1		51.0		17.6
Pyrene	50	16.1		9.8		9.4		2.6		34.1		25.9		2.9		5.7		1.0
1,2,4-Trichlorobenzene	5	0.45	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	0.44
Total SVOCs		8762.33		3334.12		12360.67		10200.31		6514.83		9942.7		3956.6		3693.74		5713.92

Notes:
TOGS = Technical and Operational Guidance Series 1.1.1
Ambient Water Quality Standards (AWQS) and Guidance Values
and Groundwater Effluent Standards dated June 1998
and associated errata and addendums;
Values listed are standards and guidance values
(whichever applicable) for Class GA Groundwater;
Values above TOGS in **BOLD**
SVOCs - Semi-Volatile organic compounds
NS - No standard
µg/L- micrograms per liter
U - Below detection limit
J - Estimated values detected above qualitative method detection limit (MDL)
& below the quantitative reporting detection limit (RDL).

Table 6
Groundwater Analytical Results-Post-Injection
SVOCs in Groundwater
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PO-27-S2		PO-27-S3		PO-19-S6		PO-19-S7		PO-19-S8		PO-24-S3		PO-24-S5		PO-24-S8	
Lab Sample ID	Objectives	JA45914-11		JA45914-14		JA46464-17		JA46464-12		JA46464-7		JA46464-4		JA46464-5		JA46464-2	
Date Sampled	TOGS GA AWQS	5/5/2010		5/5/2010		5/12/2010		5/12/2010		5/11/2010		5/10/2010		5/10/2010		5/10/2010	
SVOCs (µg/L)																	
2-Chlorophenol	NS	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	11	U	1.1	U	1.1	U
4-Chloro-3-methyl phenol	NS	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U	11	U	1.1	U	1.1	U
2,4-Dichlorophenol	5	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	12	U	1.2	U	1.2	U
2,4-Dimethylphenol	1	85.5		274		2430		192		7660		3190		43.3		41.8	
2,4-Dinitrophenol	10	0.74	U	0.74	U	0.74	U	0.74	U	0.74	U	7.4	U	0.74	U	0.74	U
4,6-Dinitro-o-cresol	NS	0.51	U	0.51	U	0.51	U	0.51	U	0.51	U	5.1	U	0.51	U	0.51	U
2-Methylphenol	NS	123		64.6		92.5		46.4		1.1	U	2800		1.1	U	1.1	U
3&4-Methylphenol	NS	62.7		32.1		146		85.6		1.0	U	5140		25.6		50.1	
2-Nitrophenol	1	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	12	U	1.2	U	1.2	U
4-Nitrophenol	1	0.83	U	0.83	U	0.83	U	0.83	U	0.83	U	8.3	U	0.83	U	0.83	U
Pentachlorophenol	NS	0.80	U	0.80	U	0.80	U	0.80	U	0.80	U	8.0	U	0.80	U	0.80	U
Phenol	1	0.58	U	2.2		38.6		88.8		31.6		1590		0.58	U	18.0	
2,4,5-Trichlorophenol	1	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U	13	U	1.3	U	1.3	U
2,4,6-Trichlorophenol	1	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	12	U	1.2	U	1.2	U
Acenaphthene	20	73.4		50.3		501		75.6		12.5		108		91.6		215	
Acenaphthylene	NS	7.7		2.6		19.8		1.9		0.72	J	128		3.5		7.0	
Anthracene	50	21.1		0.16	U	181		13.5		2.4		344		15.1		26.3	
Benzo(a)anthracene	0.002	1.9		0.12	U	36.2		0.12	U	0.12	U	130		0.12	U	0.12	U
Benzo(a)pyrene	0.002	1.0		0.095	U	18.1		0.42	J	0.095	U	98.5		0.41	J	0.82	J
Benzo(b)fluoranthene	0.002	0.95	J	0.25	U	19.7		0.45	J	0.25	U	69.3		0.44	J	0.89	J
Benzo(g,h,i)perylene	5	0.38	J	0.12	U	8.4		0.12	U	0.12	U	52.4		0.12	U	0.50	J
Benzo(k)fluoranthene	0.002	0.57	J	0.38	U	7.8		0.38	U	0.38	U	72.8		0.38	U	0.38	U
4-Bromophenyl phenyl ether	NS	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	3.5	U	0.35	U	0.35	U
Butyl benzyl phthalate	50	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	2.5	U	0.25	U	0.25	U
2-Chloronaphthalene	10	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	4.2	U	0.42	U	0.42	U
4-Chloroaniline	5	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	2.5	U	0.25	U	0.25	U
Carbazole	NS	120		38.8		172		53.7		16.0		341		234		172	
Chrysene	0.002	1.7		0.11	U	28.2		0.77	J	0.11	U	235		0.69	J	1.5	
bis(2-Chloroethoxy)methane	5	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	2.5	U	0.25	U	0.25	U
bis(2-Chloroethyl)ether	1	0.31	U	0.31	U	0.31	U	0.31	U	0.31	U	3.1	U	0.31	U	0.31	U
bis(2-Chloroisopropyl)ether	NS	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	3.9	U	0.39	U	0.39	U
4-Chlorophenyl phenyl ether	NS	0.35	U	0.35	U	0.35	U	0.35	U	0.35	U	3.5	U	0.35	U	0.35	U
1,2-Dichlorobenzene	3	0.42	U	0.42	U	0.42	U	0.42	U	0.42	U	4.2	U	0.42	U	0.42	U
1,3-Dichlorobenzene	3	0.36	U	0.36	U	0.36	U	0.36	U	0.36	U	3.6	U	0.36	U	0.36	U
1,4-Dichlorobenzene	3	0.39	U	0.39	U	0.39	U	0.39	U	0.39	U	3.9	U	0.39	U	0.39	U
2,4-Dinitrotoluene	5	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	2.2	U	0.22	U	0.22	U
2,6-Dinitrotoluene	5	0.33	U	0.33	U	0.33	U	0.33	U	0.33	U	3.3	U	0.33	U	0.33	U
3,3'-Dichlorobenzidine	5	0.30	U	0.30	U	0.30	U	0.30	U	0.30	U	3.0	U	0.30	U	0.30	U
Dibenzo(a,h)anthracene	50	0.15	U	0.15	U	2.9		0.15	U	0.15	U	14.9		0.15	U	0.15	U
Dibenzofuran	NS	65.5		32.3		445		58.1		4.7	J	186		75.0		162	
Di-n-butyl phthalate	50	0.19	U	0.19	U	0.19	U	0.19	U	0.19	U	1.9	U	0.19	U	0.19	U
Di-n-octyl phthalate	50	0.40	U	0.40	U	0.40	U	0.40	U	0.40	U	4.0	U	0.40	U	0.40	U
Diethyl phthalate	50	0.17	U	0.17	U	2.7		0.17	U	0.17	U	1.7	U	0.17	U	0.17	U
Dimethyl phthalate	50	0.23	U	0.23	U	0.23	U	0.23	U	0.23	U	2.3	U	0.23	U	0.23	U
bis(2-Ethylhexyl)phthalate	5	2.8		1.5	J	12.4		0.33	U	1.1	J	21.3		21.3		2.1	
Fluoranthene	50	14.5		1.6		190		8.7		3.1		346		5.9		12.4	
Fluorene	50	54.5		18.3		380		41.4		4.1		194		52.7		81.3	
Hexachlorobenzene	0.04	0.27	U	0.27	U	0.27	U	0.27	U	0.27	U	2.7	U	0.27	U	0.27	U
Hexachlorobutadiene	0.5	0.13	U	0.13	U	0.13	U	0.13	U	0.13	U	1.3	U	0.13	U	0.13	U
Hexachlorocyclopentadiene	5	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	2.4	U	0.24	U	0.24	U
Hexachloroethane	5	0.21	U	0.21	U	0.21	U	0.21	U	0.21	U	2.1	U	0.21	U	0.21	U
Indeno(1,2,3-cd)pyrene	0.002	0.39	J	0.13	U	8.1		0.13	U	0.13	U	44.2		0.13	U	0.42	J
Isophorone	5	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	2.5	U	0.25	U	0.25	U
2-Methylnaphthalene	NS	228		110		1780		271		34.6		294		554		924	
2-Nitroaniline	5	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U	2.4	U	0.24	U	0.24	U
3-Nitroaniline	5	0.29	U	0.29	U	0.29	U	0.29	U	0.29	U	2.9	U	0.29	U	0.29	U
4-Nitroaniline	5	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	1.8	U	0.18	U	0.18	U
Naphthalene	10	4250		3510		11800		4350		1210		6110		7790		8620	
Nitrobenzene	0.4	0.25	U	0.25	U	0.25	U	0.25	U	0.25	U	2.5	U	0.25	U	0.25	U
N-Nitroso-di-n-propylamine	NS	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	4.4	U	0.44	U	0.44	U
N-Nitrosodiphenylamine	50	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	2.2	U	0.22	U	0.22	U
Phenanthrene	50	85.5		22.1		649		53.3		9.1		531		44.1		74.7	
Pyrene	50	9.7		0.95	J	140		5.6		2.0		314		4.1		8.4	
1,2,4-Trichlorobenzene	5	0.44	U	0.44	U	0.44	U	0.44	U	0.44	U	4.4	U	0.44	U	0.44	U
Total SVOCs		5148.09		4161.35		18729.4		5244.49		8987.22		22281.6		8955.15		10417.73	

Notes:
TOGS = Technical and Operational Guidance Series 1.1.1
Ambient Water Quality Standards (AWQS) and Guidance V:
and Groundwater Effluent Standards dated June 1998
and associated errata and addendums;
Values listed are standards and guidance values
(whichever applicable) for Class GA Groundwater;
Values above TOGS in **BOLD**
SVOCs - Semi-Volatile organic compounds
NS - No standard
µg/L- micrograms per liter
U - Below detection limit
J - Estimated values detected above qualitative method dete
& below the quantitative reporting detection limit (RDL).

Table 6
Groundwater Analytical Results-Post-Injection
TPH in Groundwater
Parcel 8
47th Road, Long Island City, NY
BCP Site No. C241087

Client ID	Regulatory	PO-24-S2	PO-24-S4	PO-24-S6	PO-24-S7	PO-19-S4	PO-19-S5	PO-27-S1	PO-27-S2
Lab Sample ID	Objectives	JA45591-22	JA45591-15	JA45591-12	JA45591-11	JA45914-6	JA45914-7	JA45914-10	JA45914-11
Date Sampled	TOGS GA AWQS	4/29/2010	4/29/2010	4/28/2010	4/28/2010	5/4/2010	5/4/2010	5/5/2010	5/5/2010
		Result	Q	Result	Q	Result	Q	Result	Q
TPH-GRO (C6-C10) (µg/L)	NS	1.32		7.34		74.3		13.5	
TPH-DRO (C10-C28) (µg/L)	NS	35.0		16.1		44.3		26.3	
						24.6		NA	
						32.9		7.74	
								16.1	
									17.6
									22.2

Notes:
TOGS = Technical and Operational Guidance Series 1.1.1
Ambient Water Quality Standards (AWQS) and Guidance Values
and Groundwater Effluent Standards dated June 1998
and associated errata and addendums;
Values listed are standards and guidance values
(whichever applicable) for Class GA Groundwater;
exceedances denoted in **BOLD**.
TPH GRO -Total Petroleum Hydrocarbons, Gasoline Ranged Organics
TPH DRO -Total Petroleum Hydrocarbons, Diesel Ranged Organics
NS - No standard
µg/L- micrograms per liter
U - Below detection limit
J - Estimated values detected above qualitative method detection limit (MDL)
& below the quantitative reporting detection limit (RDL).

Table 7 Summary of Contaminant Mass, Tier I

Test Point	Stratum	Class	Initial Mean		Soil Density kg/m3	Soil Volume m3	Contam Mass, kg	Contam. Mass Removed, kg	Total Contam.		
			Contam. Reduction	Contam. Conc. mg/kg					Total Contam. Mass/Stratum, kg	Mass/Stratum Removed, kg	Percent Mass Reduction
IW-24	1	svoc	0	2,951	1,290	120.2	457	0			
IW-24	1	btex	0	97	1,290	120.2	15	0	472	0	0
IW-24	2	svoc	0	4,966	1,290	120.2	770	0			
IW-24	2	btex	0.57	528	1,290	120.2	82	46	852	46	5.4
IW-27	1	svoc	0.55	1,230	1,290	120.2	191	104			
IW-27	1	btex	0.95	79	1,290	120.2	12	12	203	116	57
IW-27	2	svoc	0	1,012	1,290	120.2	157	0			
IW-27	2	btex	0	124	1,290	120.2	19	0	176	0	0
IW-11	--	svoc	0	965	1,290	340.2	424	0			
IW-11	--	btex	0	17	1,290	340.2	7	0	431	0	0
IW-19	--	svoc	0	3,251	1,290	240.2	1,007	0			
IW-19	--	btex	0.255	317	1,290	240.2	98	25	1,106	25	2.3
Total							3,240	187	3,240	187	

Attachment 1
Parcel 8 Remediation Plan



Environmental Management & Consulting

September 24, 2010

Sondra Martinkat
New York State Department of Environmental Conservation
Division of Environmental Remediation
47-40 21st Street
Long Island City, NY 11101

Re: QWDC Parcel 8 Remedial Design
NYSDEC BCP Site No. C241087
Index No. W2-1059-05-03
FLS Project No: 10011-007-3

Dear Ms. Martinkat:

This letter presents the *in situ* chemical oxidation component of Remedial Design for Parcel 8, submitted on behalf of Queens West Development Corporation (QWDC) and AvalonBay Communities, LLC (collectively, the "Volunteers"). This Remedial Design is the final section of the Parcel 8 Pilot Test Report, a draft copy of which was submitted to the Department on July, 13, 2010. This design is a revision to the design submitted to the Department on July 19, 2010.

The *in situ* component of the remedy is chemical oxidation of the creosote-related contamination on Parcel 8 using VeruTEK's Surfactant-Enhanced *in situ* Remediation (S-ISCOTM) using activated persulfate injected via Wavefront Technology Solutions, Inc. PrimawaveTM technology and targeted using the Rem-Metrik process.

This Remedial Design completes the Parcel 8 Remedial Action Work Plan and is the final piece of the Parcel 8 Pilot Study.

Please contact me at 212/675-3225 if you have any questions or comments.

Sincerely
Fleming-Lee Shue, Inc.

A handwritten signature in black ink, reading "Steven E. Panter".

Steven E. Panter, CGWP
Sr. Consultant

Cc: M. Chertok, Sive Paget & Riesel
S. Spiro, AvalonBay Communities
C. Warren, Kramer Levin
B. Kinal, AKRF
J. Harrington, NYSDEC
P. Januszewski, S. Wynn, QWDC

QWDC Parcel 8 Remedial Design

NYSDEC BCP Number: C241087

Introduction

This Remedial Design is for *in situ* chemical oxidation of the creosote-related contamination on Parcel 8 using VeruTEK's Surfactant-Enhanced *in situ* chemical oxidation (S-ISCO™) using activated persulfate injected via Wavefront Technology Solutions, Inc. Primawave™ technology and targeted using the Rem-Metrik process. The *in situ* treatment interval is from 10 feet below grade (ft-bg) to 22 ft-bg. A smaller portion of the interval from 22 ft-bg to 27 ft-bg will also be treated. Table 1 presents the estimated amount of contaminant mass on Parcel 8 and an estimate of the portion of that mass that will be treated.

Table 1

Parcel 8 Strata	Mass, lbs	Fraction	Removal	Mass Removal, lbs	Cumulative Fraction Mass Removal
Unsaturated Zone 0 - 10 ft-bg	16,800	0.21	Excavate from 6,720 to 8,400 lbs* Goal of 90% Oxidation, but dosed	7,560	0.09
Saturated Zone, from 10 to 22 ft-bg	53,600	0.67	for 100% oxidation Goal of oxidizing up to approx.	53,600	0.76
Saturated Zone, from 23 to 27 ft-bg	9,600	0.12	30%	2,880	0.80
Total Contaminant Mass	80,000	1.00		64,040	

* Variable, depends on depth of final excavation. 6,720 lbs corresponds to a 4-foot-deep excavation over all of Parcel 8.

Remediation Goals

Soil – Reduce total contaminant mass in the treatment interval from 10 ft-bg to 22 ft-bg by 90 percent; dosage calculated to oxidize 100% of contaminant mass..

Groundwater – Goal of TOGs GA AWQS and/or asymptotic decrease in VOCs and naphthalene.

Treatment

Treatment will be through oxidation by surfactant enhanced alkaline activated sodium persulfate. Sodium hydroxide will be used to activate the sodium persulfate and the surfactant, VeruSOL™ will solubilize the contaminant for oxidation. The constituents of the treatment mixture are described below.

Sodium Persulfate

Sodium persulfate will be brought on Site in dry form in bags and stored in locked containers. The mass of sodium persulfate available will be 128,627 kg, sufficient to oxidize 64,000 lbs of contaminant. The sodium persulfate will be applied at a dosing rate of approximately 25 g/L to 50 g/L, although this may be increased or decreased as necessary at the discretion of the field supervisor to promote the most effective treatment and control for density effects. Fluid density may be increased, where necessary, to promote treatment and in zones where density driven treatment is desired, sodium persulfate concentrations up to 100 g/L may be used.

Sodium Hydroxide

Sodium hydroxide will be brought to the Site as liquid in HDPE carboys. The initial sodium hydroxide dosage will be 20 g/L, which will help raise the pH faster and sustain the alkaline conditions necessary for activating persulfate. The sodium hydroxide dose may vary depending on Site monitoring and will be adjusted as necessary to maintain optimum oxidizing conditions.

VeruSOL™

The pilot test surfactant dosage of 5 g/L was found to be efficient and will be used for the full scale. In zones of very high tar concentrations, concentrations of VeruSOL® up to 20 g/L may be used to accelerate/optimize treatment.

Injection Wells

Eighteen shallow injection wells, (10 ft-bg to 16 ft-bg), thirteen deep injection wells (16 ft-bg to 22 ft-bg), and three bottom wells (23 ft-bg to 27 ft-bg) will be used for the injections. Two of the shallow injection wells and two of the deep wells were already installed for the Pilot Test. Figure 1 shows the approximate location of the injection wells. The exact locations will be based on field conditions. Figure 2 shows the locations, depths, and amounts of contaminant mass that guide the placement of the injection wells.

Injection and Duration

Oxidant will be injected continuously over a period of approximately three to four months using Wavefront's Sidewinder tool or a more effective and recently developed Wavefront tool suitable for the intended purpose. (The technology is continuously improving.)

Injection will occur through multiple injection wells using multiple Wavefront tools. Based on the Site's response to treatment, injections may be performed sequentially (i.e., completed at one location before proceeding to the next), or wells may be partially injected, with the injection completed at a later point in the program. In this manner, the injections will be optimized, based on real-time response to the treatment regimen.

Monitoring

VeruTEK will have a full-time field laboratory on the Site to monitor performance and process parameters. With this "live" reading of site conditions, the full scale injection protocol can be optimized based on real-time observations. Post-injection monitoring will proceed as described in the RAWP.

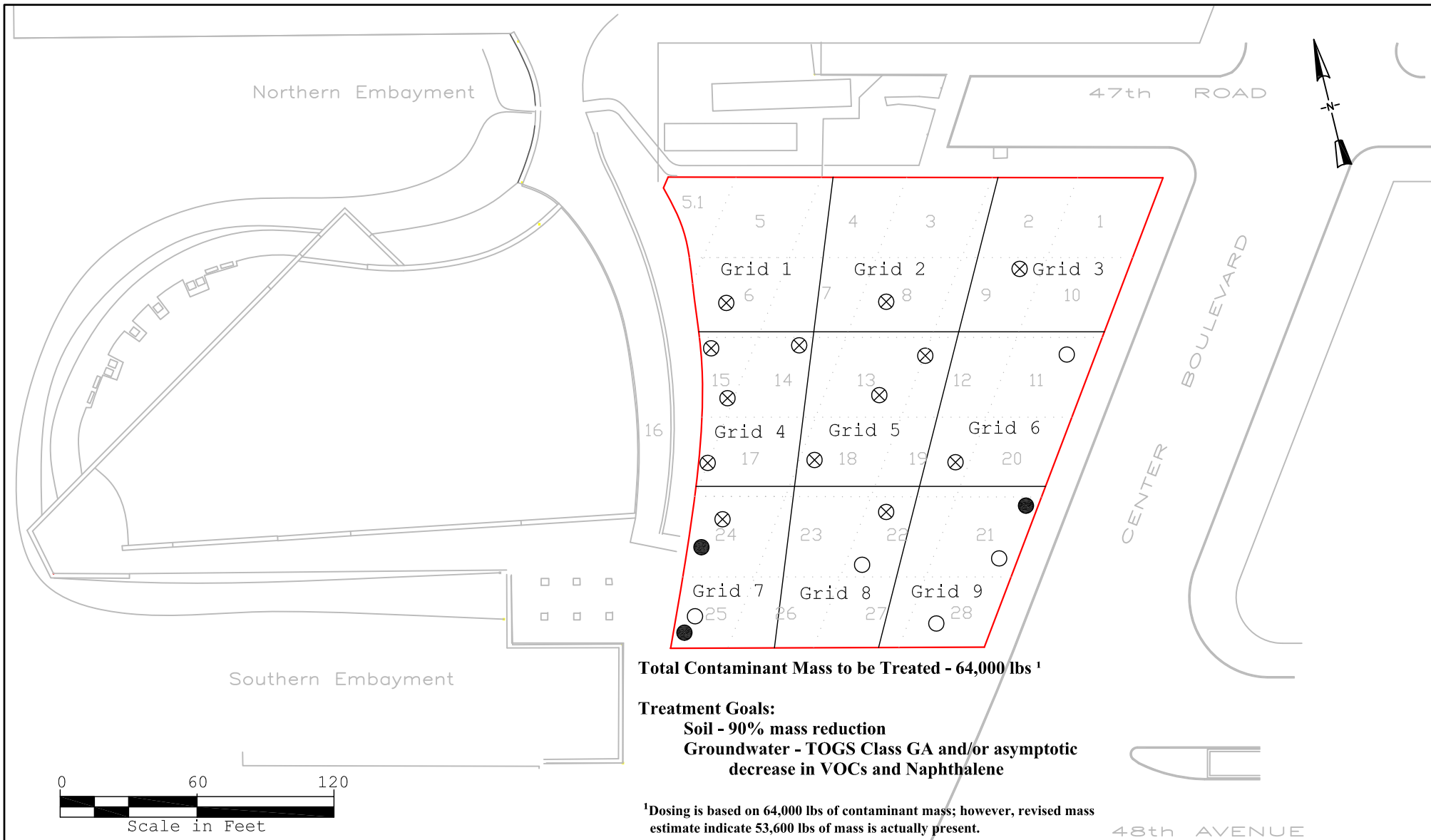


FIGURE 1

PARCEL 8
 Long Island City, NY
 BCP Site No. C241087

Date
 September 2010

Project Number
 10011-004-11

INJECTION WELL LOCATIONS

NOTES

- ⊗ Shallow and Deep Injection Well
- Shallow Injection Well
- Bottom Well
- Treatment Area

Depth Intervals

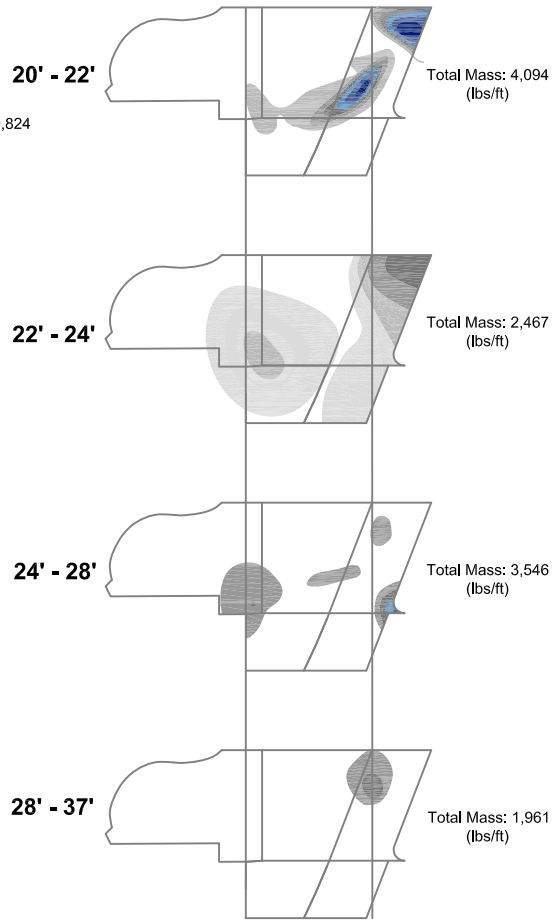
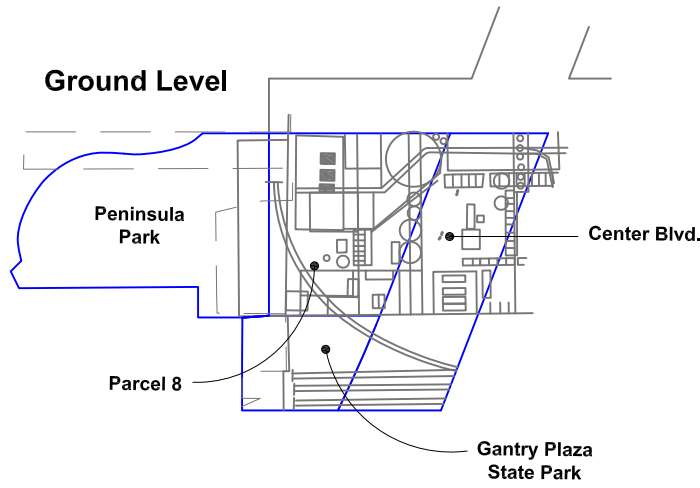
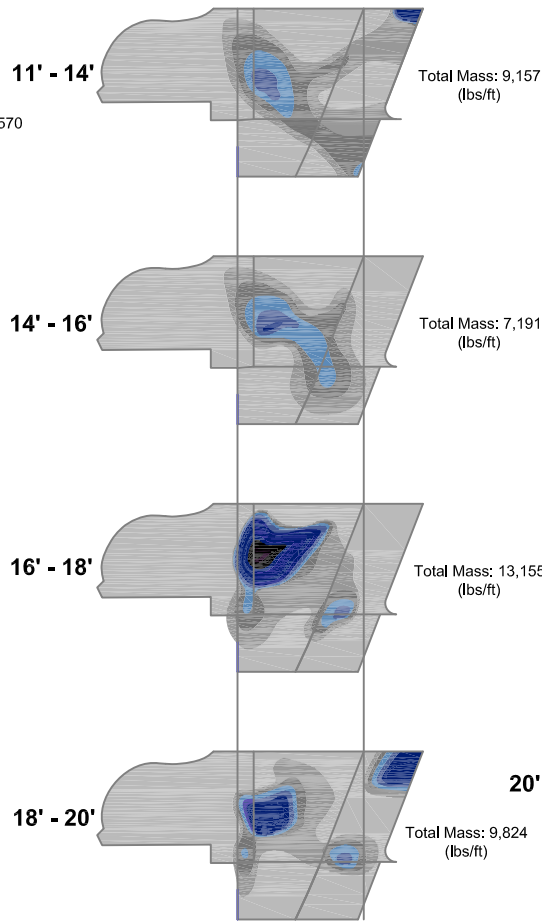
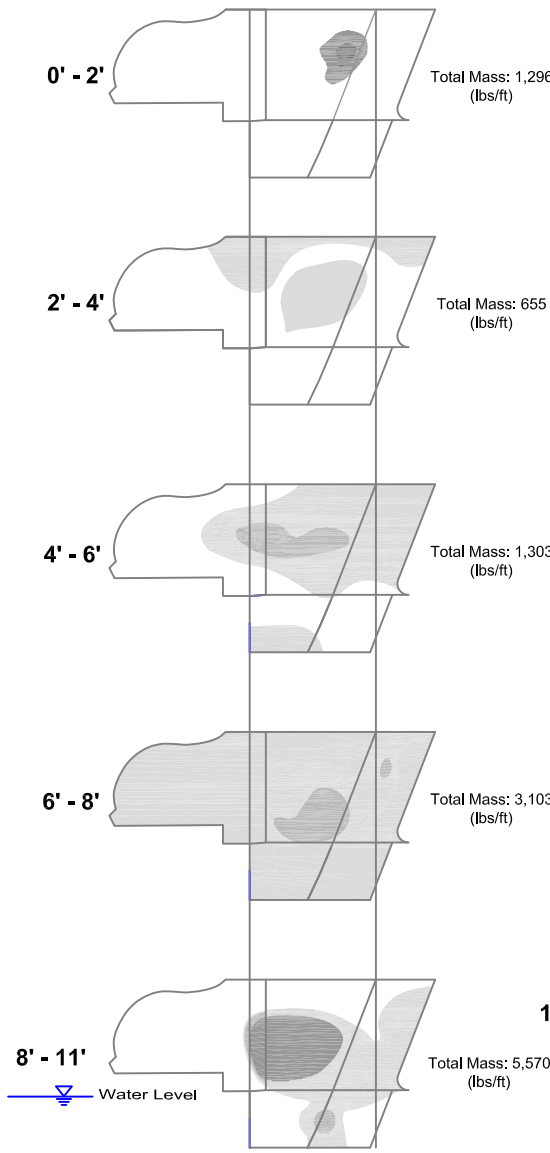
- Shallow ± 10-17 feet below grade
- Deep ± 17-23 feet below grade
- Bottom ± 23-27 feet below grade

Locations may be revised based on field conditions

Environmental Management & Consulting

**158 West 29th Street, 9Fl.
 New York, NY 10001**

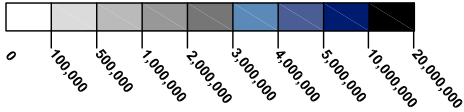
P:\Project Files\10011 - Site Project & Remediation\10011 - Avian BCP Parcel 8\Full Scale Design\Figures\CD\Parcel 8 and Center Boulevard_Full Scale_Drawing.dwg, Parcel 8 In Pls, Adobe PDF



* Total mass estimates are rounded and are inclusive of the contaminant mass in Parcel 8, Center Boulevard, Gantry State Park and Peninsula Park.

LEGEND

Contaminant Mass Estimation Levels



Date
April 2010

Project Number
10011-007-1

FIGURE 2

Plate Views of
Contaminant
Source Area

Queens West Development
Parcel 8 Off-Site Area
BCP Site No. C241087
VCP Site No. V100194A



Environmental Management & Consulting

158 West 29th Street, 9th Fl
New York, NY 10001

Appendix X1

Parcel 8- Horiba Data

MW-9	Current IW	Distance from IW	DTW (ft btoc)	pH	Conductivity (mS/cm)	ORP (mV)
2/3/20101	N/A	-	9.45			
2/3/20102			9.09			
02/04/10	IW-24S	36	9.57	7.11	3.01	-226
2/5/20101			9.49			
2/5/20102			9.57	7.09	2.26	-206
2/9/20101	IW-24D	30	9.2	7.53	2.23	-177
2/9/20102			8.22	7.39	2.23	9.22
2/12/20101	IW-27S		9.41	7.19	2.25	-220
2/12/20102			8.88	7.3	2.4	-144
2/15/20101			9.11	7.41	2.34	-160
2/15/20102			9.2	7.24	2.92	-94
2/16/20101			9.00	7.15	2.37	-87
2/16/20102			8.99	7.15	2.44	-67
2/18/20101	IW-19		9.08	7.30	2.33	-129
2/18/20102			8.91	7.24	3.77	-149
02/19/10						
2/24/20101	IW-11		8.21	7.44	3.11	-110
2/24/20102			8.21	7.21	9.99	-115
3/2/10	None		8.17	7.29	3.47	-142
03/04/10	None		8.57	6.91	6.55	-39
03/05/10	None		8.24	7.13	6.14	-99
03/08/10	None		8.37	6.67	3.09	-29
03/09/10	None		8.48	6.65	4.21	0.94
03/11/10	None		8.84	7.33	5.67	-61
03/16/10	None		7.91	6.77	4.71	-36
03/19/10	None		8.20	6.96	3.41	-79
03/23/10	None		8.23	6.68	-	-41
04/06/10	None		9.97	-	3.54	-241
04/12/10	None		9.00	10.56	2.89	-173

MW-21S	Current IW	Distance from IW	DTW (ft btoc)	pH	Conductivity (mS/cm)	ORP (mV)
2/3/20101	N/A	N/A	11.59			
2/3/20102			11.6			
02/04/10	IW-24S		11.76	7.06	1.62	-238
2/5/20101			11.60			
2/5/20102			10.73	7.00	1.16	-232
2/9/20101	IW-24D		11.59	7.32	1.21	-252
2/9/20102			11.26	7.34	1.21	-196
2/12/20101	IW-27S	41	11.49	7.35	1.19	-190
2/12/20102			10.18	10.99	65.7	344
2/15/20101	IW-27S		10.62	9.29	57.50	307
2/15/20102			8.82	14.18	90.8	117
2/16/20101			9.71	12.67	66.70	183
2/16/20102			8.97	13.79	83.1	121
02/17/10	IW-27D	38				
2/18/20101	IW-19	52	9.79	12.60	68.90	210
2/18/20102			9.75	12.25	16.7	225
2/24/20101	IW-11		9.21	8.41	40.40	273
2/24/20102			9.11	8.84	50.90	174
03/02/10	None		9.31	7.53	23.20	32
03/04/10	None		9.28	7.26	17.70	50
03/05/10	None		9.50	6.78	-	153
03/08/10	None		9.63	7.23	5.51	32
03/09/10	None		NA	7.18	5.79	28
03/11/10	None		10.01	6.45	6.99	249
03/16/10	None		8.97	6.74	2.97	207
03/19/10	None		9.37	6.14	27.20	211
03/23/10	None		9.36	7.04	-	-39
04/06/10	None		9.76	-	3.54	-241
04/12/10	None		10.19	7.49	2.89	4

MW-17S	Current IW	Distance from IW	DTW (ft btoc)	pH	Conductivity (mS/cm)	ORP (mV)	
02/03/10	N/A						
02/04/10	IW-24S		12.43	7.22	1.88	-98	
02/05/10			12.36	7.3	1.97	-103	
02/08/10	IW-24D						
2/9/20101	IW-24D		12.18	7.59	1.95	-200	
2/9/20102			12.07	7.56	1.48	-117	
2/12/20101	IW-27S		12.2	7.61	1.42	-127	
2/12/20102							
2/15/20101	IW-27S		12.25	7.65	1.48	-119	
2/15/20102			12.15	7.67	1.93	-93	
2/16/20101			12.12	7.52	5.13	-90	
2/16/20102							
02/17/10	IW-27D						
2/18/20101	IW-19		12.02	7.44	8.1	-103	
2/18/20102							
2/24/20101	IW-11		11.36	7.82	5.57	-119	
2/24/20102			11.44	7.63	2.18	-102	
3/2/20101	None		9.86	7.47	1.95	-44	
3/2/20102			11.82	7.72	87.5	-115	
03/04/10	None		9.96	7.09	1.25	142	Silty
03/05/10	None		10.23	7.55	1.43	119	Silty
03/08/10	None		10.9	7.38	-	62	Silty
03/09/10	None		10.98	7.3	1.8	64	Silty
03/11/10	None		11.36	7.2	7.85	96	Silty
03/16/10	None		9.52	7.28	-	76	Silty
03/19/10	None		10.32	7.12	2.72	125	Silty
03/23/10	None		10.41	7.41	-	-73	
04/06/10	None		10.68	-	1.33	-37	
04/12/10	None		11.33	8.78	1.36	-75	

MW-12D	Current IW	Distance from IW	DTW (ft btoc)	pH	Conductivity (mS/cm)	ORP (mV)	
2/3/20101	N/A		12.49				
2/3/20102			12.56				
2/4/20101	IW-24S		11.75	6.98	1.26	-103	
2/4/20102			11.70				
02/05/10			11.67				
2/8/20101	IW-24D		11.82	6.84	0.07	-100	
2/8/20102							
2/9/20101			11.26	7.22	0.69	-116	
2/9/20102			11.27	7.23	0.69	-66	
2/12/20101	IW-27S		11.43	7.05	0.69	-61	
2/15/20101	IW-27S		11.19	7.30	0.72	-48	
2/15/20102			11.10	7.53	3.18	-37	
2/16/20101	IW-27D		11.17	7.21	0.69	-108	
2/16/20102			11.30	7.28	24.10	-50	
02/17/10			10.89	7.99	0.93	422	
2/18/20101	IW-19	67	11.05	8.06	0.86	304	
2/18/20102			11.08	7.91	0.88	298	
02/23/10			10.82	6.92	5.91	65	
2/24/20101	IW-11	12	10.24	7.32	4.25	332	
2/24/20102			12.47	7.88	5.95	237	
03/02/10	None		10.20	7.33	6.32	53	
03/04/10	None		9.89	6.54	5.38	531	
03/05/10	None		10.07	6.7	73.00	127	
03/08/10	None		10.04	6.93	4.95	19	
03/09/10	None		10.22	7.02	4.64	-37	
03/11/10	None		10.31	6.88	10.9	222	
03/16/10	None		9.521	6.76	4.49	210	
03/19/10	None		9.8	6.61	32.3	148	
03/23/10	None		9.69	6.83	-	-2	
04/06/10	None		9.65	-	3.03	3	
04/12/10	None		10.23	8.25	3.09	-50	

MW-16S	Current IW	Distance from IW	DTW (ft btoc)	pH	Conductivity (mS/cm)	ORP (mV)
2/3/20101	N/A		11.10			
2/3/20102			10.51			
2/4/20101	IW-24S	29	11.18	7.13	4.30	-311
2/4/20102			10.81			
2/5/20101			11.36			
2/5/20102			11.08	7.23	3.41	-277
2/8/20101	IW-24D	20				
2/8/20102						
2/9/20101			11.03	7.71	3.10	-241
2/9/20102			9.74	7.86	2.89	-194
2/12/20101	IW-27S		10.73	7.50	3.16	-121
2/12/20102			11.3	7.38	3.29	-295
2/15/20101			10.72	7.09	3.71	-168
2/15/20102			11.56	7.54	3.65	-140
2/16/20101	IW-27D		11.62	6.80	3.77	-177
2/16/20102			10.52	6.9	3.93	-76
2/18/20101	IW-19		10.55	7.28	3.72	-124
2/18/20102			10.5	7.24	3.77	-149
2/24/20101	IW-11		9.89	7.57	4.43	-105
2/24/20102			9.97	7.20	23.70	-99
03/02/10	None		9.65	7.44	3.61	-135
03/04/10	None		10.05	7.38	48.4	-59
03/05/10	None		9.68	7.11	9.84	-100
03/08/10	None		9.98	7.21	5.19	-91
03/09/10	None		10.88	7.35	5.03	-202
03/11/10	None		10.27	7.4	5.13	-95
03/16/10	None		9.23	7.3	5.96	-66
03/19/10	None		9.75	7.28	5	-152
03/23/10	None		9.73	7.17	-	-139
04/06/10	None		9.97	-	3.54	-241
04/12/10	None		10.28	12.39	5.36	-289

MW-22D	Current IW	Distance from IW	DTW (ft btoc)	pH	Conductivity (mS/cm)	ORP (mV)
2/3/20101	N/A					
2/3/20102						
2/4/20101	IW-24S	56	11.75	7.17	1.62	-190
2/4/20102			12.62			
2/5/20101			11.68			
2/5/20102			12.64	7.47	3.43	-150
2/9/20101			12.54	7.75	3.55	-152
2/9/20102			12.56	7.8	3.55	-118
2/12/20101	IW-27S	59	12.38	7.81	3.53	-139
2/12/20102						
2/15/20101			12.71	7.94	7.07	-49
2/15/20102			12.49	7.84	3.98	-99
2/16/20101	IW-27D	61	12.28	7.69	4.02	-127
2/16/20102			12.29	7.61	3.98	-74
2/18/20101	IW-19	6	12.08	7.25	3.69	140
2/18/20102			12.49	6.44	68.5	-76
2/24/20101	IW-11		10.93	7.68	6.07	-14
2/24/20102			11.86	7.85	44.20	161
03/02/10	None		11.53	7.55	-	-24
03/04/10	None		11.61	7.57	52.1	-44
03/05/10	None		11.6	7.55	9.84	-60
03/08/10	None		11.72	7.59	6.5	-69
03/09/10	None		11.76	7.75	4.36	-149
03/11/10	None		11.8	7.73	4.41	-94
03/16/10	None		11.02	7.96	-	-107
03/19/10	None		11.36	7.6	-	-105
03/23/10	None		11.4	7.46	-	189
04/06/10	None		11.33	-	4.02	-51
04/12/10	None		10.81	9.13	4.13	-111

MW-14S	Current IW	Distance from IW	DTW (ft btoc)	pH	Conductivity (mS/cm)	ORP (mV)
2/3/20101	N/A					
2/3/20102						
2/4/20101	IW-24S	59	9.81	7.17	1.62	-190
2/4/20102			9.84			
02/05/10			9.52			
2/8/20101	IW-24D	62	9.94	7.32	1.2	-176
2/8/20102						
2/9/20101			12.44	7.21	1.74	-160
2/9/20102			12.11	7.26	1.76	-149
2/12/20101	IW-27S	67	12.48	7.25	1.77	-160
2/12/20102			12.4	7.31	1.89	-130
2/15/20101			12.46	7.34	1.98	-151
2/15/20102			11.38	6.75	4.15	92
2/16/20101	IW-27D	70	12.30	7.22	1.32	-198
2/16/20102			13.22	7.07	1.99	-116
2/18/20101	IW-19	16	11.49	7.10	1.90	-160
2/18/20102			11.05	7.02	1.95	-52
2/24/20101	IW-11		10.94	6.83	4.84	58
2/24/20102			10.71	6.93	46.20	145
03/02/10	None		10.42	6.84	6.81	7
03/04/10	None		10.7	6.79	22.3	-19
03/05/10	None		10.51	6.85	4.48	-41
03/08/10	None		10.74	6.89	9.99	-42
03/09/10	None		10.92	6.97	4.09	-118
03/11/10	None		11.15	7.2	3.88	-80
03/16/10	None		10.2	7.1	-	-86
03/19/10	None		10.76	6.96	-	-82
03/23/10	None		10.63	6.86	-	-98
04/06/10	None		10.8	-	4.34	-143
04/12/10	None		11.4	9.65	4.87	-151

MW-6S	Current IW	Distance from IW	DTW (ft btoc)	pH	Conductivity (mS/cm)	ORP (mV)
02/03/10	N/A					
2/4/20101	IW-24S	NA	Frozen			
2/4/20102			9.14			
2/5/20101			9.62			
2/5/20102			Frozen			
2/8/20101	IW-24D	NA	9.19	7.87	0.647	-144
2/8/20102			9.78	8.12	0.665	-126
02/09/10			9.73	8.12	0.68	-178
02/12/10	IW-27S	67				
02/15/10			Flooded			
02/16/10	IW-27D	60	8.4	8.78	-	-173
02/17/10						
02/18/10	IW-19	NA				
02/24/10	IW-11		Flooded			
03/02/10	None		Flooded			
03/04/10	None		7.32	7.99	0.247	19
03/05/10	None		7.8	8.74	0.308	72
03/08/10	None		8.57	8.39	0.364	23
03/09/10	None		NA	8.55	0.345	-156
03/19/10	None		7.7	8.07	0.184	-93
04/06/10	None		7.7	-	1.73	-181

MW-6D	Current IW	Distance from IW	DTW (ft btoc)	pH	Conductivity (mS/cm)	ORP (mV)
2/3/20101	N/A					
2/3/20102						
2/4/20101	IW-24S	59	9.78	7.07	6.58	-200
2/4/20102			9.51			
2/5/20101			9.54			
2/5/20102			9.53	6.93	23.5	-224
2/8/20101	IW-24D	62	9.42	6.96	25.2	-219
2/8/20102						
02/09/10			9.18	7.3	17.2	-190
02/12/10	IW-27S	67	9.59	7.32	9.50	-166
02/15/10			9.32	7.31	5.6	-216
02/16/10	IW-27D	70	8.89	7.32	3.96	-186
02/17/10						
2/18/20101	IW-19	16	9.06	7.36	4.61	-211
2/18/20102			8.81	5.55	-	18
2/24/20101	IW-11		8.31	4.47	23.6	308
2/24/20102			8.14	4.92	8.65	198
03/02/10	None		7.51	3.71	22.6	10
03/04/10	None		7.4	5.06	45.5	100
03/05/10	None		7.74	5.2	13.8	185
03/08/10	None		8.17	5.63	29.6	114
03/09/10	None		NA	5.69	5.46	75
03/16/10	None		7.18	5.69	7.92	68
03/19/10	None		7.71	6.23	7.1	28
04/06/10	None		8	-	3.06	-79

Orange Color Noted

Orange Color Noted

MW-33S	Current IW	Distance from IW	DTW (ft btoc)	pH	Conductivity (mS/cm)	ORP (mV)
02/03/10	N/A	N/A				
2/4/20101	IW-24S		9.55	7.14	2.57	-164
2/4/20102			9.52			
2/5/20101			9.61			
2/5/20102			9.52	6.93	1.73	-189
2/8/20101	IW-24D		9.59	6.89	1.00	-168
2/8/20102			9.7	7.21	1.77	-141
02/09/10						
02/12/10	IW-27S					
2/15/20101			9.92	8.18	3.59	-18
2/15/20102						
2/16/20101	IW-27D		9.01	7.06	-	-139
2/16/20102			9	6.96	-	-102
02/18/10	IW-19	75	9.36	7.25	0.06	-211
2/24/20101	IW-11	33	7.50	7.83	2.47	-28
2/24/20102			7.37	5.03	1.35	21
03/02/10	None		7.53	6.93	3.40	135
03/04/10	None		7.6	7.14	4.86	7
03/05/10	None		8.55	6.88	-	86
03/08/10	None		8.19	7.43	2.21	-51
03/09/10	None		NA	7.17	2.15	-57
03/16/10	None		7.36	7.33	1.62	-89
03/19/10	None		7.7	7.45	1.85	-97
04/06/10	None		7.94	-	1.91	-120

MW-33D	Current IW	Distance from IW	DTW (ft btoc)	pH	Conductivity (mS/cm)	ORP (mV)
02/03/10	N/A	N/A				
2/4/20101	IW-24S		9.55	7.14	2.57	-164
2/4/20102			9.52			
2/5/20101			9.61			
2/5/20102	IW-24D		9.52	6.93	23.5	-224
02/08/10			9.59	6.89	1.00	-168
2/9/20101			10.53	8.07	3.40	-156
2/9/20102			10.58	8.14	3.42	-99
02/15/10	IW-27S		9.92	8.18	3.59	-18
2/16/20101	IW-27D		10.00	7.94	-	-61
2/16/20102			9.89	7.82	-	0
02/18/10	IW-19	75	9.65	8.09	2.67	-40
2/24/20101	IW-11	33	9.93	8.09	5.16	-19
2/24/20102			10.01	7.21	2.20	29
03/02/10	None		8.97	7.40	5.23	115
03/04/10	None		8.8	7.9	31.6	-25
03/05/10	None		9.39	7.76	-	27
03/08/10	None		8.79	8.12	55.5	-21
03/09/10	None		NA	7.6	4.89	-11
03/11/10	None					
03/16/10	None		8.58	7.78	9.19	-10
03/19/10	None		8.1	7.94	5.36	-72
04/06/10	None		8.62	-	4.5	-91

MW-11D	Current IW	Distance from IW	DTW (ft btoc)	pH	Conductivity (mS/cm)	ORP (mV)
02/03/10	N/A					
2/4/20101	IW-24S		12.44	7.31	2.79	-123
2/4/20102			12.41			
02/05/10			12.41			
02/08/10	IW-24D		12.53	7.58	1.94	-125
2/9/20101			12.26	7.89	1.93	-158
2/9/20102			12.13	7.93	1.93	-122
02/12/10	IW-27S		12.03	7.90	1.92	-125
2/15/20101			12.39	7.95	2.15	-110
2/15/20102	IW-19		12.19	7.91	3.04	-9
02/16/10			12.10	7.81	7.11	-74
02/18/10			12.25	7.70	-	-94
02/23/10	IW-11	52	12.11	7.75	-	-99
2/24/20101			11.76	7.94	-	-114
2/24/20102			11.57	7.87	2.78	-112
03/02/10			11.44	7.69	2.78	-190
03/04/10	None		11.15	7.45	3.5	-66
03/05/10	None		11.3	7.49	2.6	-72
03/08/10	None		11.32	7.58	-	-82
03/09/10	None		11.56	7.61	2.59	-112
03/11/10	None		11.63	7.51	9.73	-61
03/16/10	None		10.83	7.54	5.96	-66
03/19/10	None		11.1	7.52	-	-109
04/06/10	None		11.06	-	2.19	-122
04/12/10	None		11.46	9.39	2.27	-123

IW-24S	Current IW	Distance from IW	DTW (ft btoc)	pH	Conductivity (mS/cm)	ORP (mV)	
02/03/10	N/A						
2/4/20101	IW-24S						
2/4/20102							
02/05/10							
02/08/10	IW-24D						
2/9/20101			4.68	13.31	21.9	-66	
2/9/20102			9.24	13.55	46.8	109	
02/12/10	IW-27S		9.09	7.53	52.5	273	
2/15/20101	IW-27S		9.2	4.86	69.8	377	
2/15/20102			9.11	4.63	63.6	409	
2/16/20101			9.06	3.96	61.7	459	
2/16/20102			9	3.64	66.6	497	Orange Color
02/18/10	IW-19		8.94	2.86	53.7	562	Orange Color
02/23/10	IW-11						Orange Color
2/24/20101			8.04	7.51	74.7	259	Orange Color
2/24/20102			8.09	6.58	66.4	300	Orange Color
03/02/10			7.66	6.15	33.7	173	Orange Color
03/04/10	None			6.14	21.2	225	Orange Color
03/05/10	None			6.35	34.4	279	Orange Color
03/08/10	None			5.75	65.5	324	Orange Color
03/09/10	None			4.71	36.5	368	Orange Color
03/11/10	None			6.31	24.7	91	Orange Color
03/16/10	None			4.49	43.5	252	Orange Color
03/19/10	None			4.6	25.3	237	Orange Color
03/23/10	None			4.38	-	189	Orange Color
04/06/10	None			-	20.4	215	Orange Color
04/12/10	None			3.77	19.6	207	Orange Color

IW-24D	Current IW	Distance from IW	DTW (ft btoc)	pH	Conductivity (mS/cm)	ORP (mV)	
02/03/10	N/A		9.75				
2/4/20101	IW-24S		9.85	6.15	31.68	-280	
2/4/20102							
02/05/10			11.35	7.21	1.37	-221	
02/08/10	IW-24D		9.84	7.31	1.4	-225	
2/9/20101			6.2	12.23	1.44	-63	
2/9/20102			10.11	13.73	54.9	33	
02/12/10	IW-27S						
2/15/20101	IW-27S		9.69	9.58	69.4	222	Orange Color
2/15/20102			9.81	7.8	75.1	263	Orange Color
2/16/20101			9.71	6.67	71.2	275	Orange Color
2/16/20102			9.65	6.66	74.1	323	Orange Color
2/18/20101	IW-19		9.75	6.39	68.4	339	Orange Color
2/18/20102	IW-19		9.49	6.44	68.5	268	Orange Color

IW-27S	Current IW	Distance	DTW (ft)	pH	Conductivity	ORP (mV)	
02/03/10	N/A		10.64				
2/4/20101	IW-24S		10.79	7.25	1.72	-192	
2/4/20102			10.63				
02/05/10			10.71				
02/08/10	IW-24D						
2/9/20101			10.62	7.48	0.623	-170	
2/9/20102			9.98	7.39	1.5	-136	
02/12/10	IW-27S		10.52	7.6	1	-145	
2/15/20101	IW-27S						
2/15/20102							
2/16/20101			7.96	14.39	99.2	149	
2/16/20102							
02/18/10	IW-19		8.96	12.34	72.1	181	
02/23/10	IW-11						
2/24/20101			8.51	7.37	70	302	
2/24/20102			8.43	7.31	73.1	284	
03/02/10			8.4	6.51	99.8	220	
03/04/10	None			6.31	38.3	245	
03/05/10	None			6.17	34.4	305	
03/08/10	None			6.38	30.9	347	
03/09/10	None			6.45	23.8	266	
03/11/10	None			6.7	24.2	158	Yellowish Tinge
03/16/10	None			6.38	19	276	
03/19/10	None			6.44	22.6	149	
03/23/10	None			6.01	11.72	116	Faint Orange Color
04/06/10	None						
04/12/10	None			5.47	7.83	149	Clear

IW-27D	Current IW	Distance	DTW (ft)	pH	Conductivity	ORP (mV)	
02/03/10	N/A		11.3				
2/4/20101	IW-24S		11.48	7.12	2.41	-147	
2/4/20102			11.22				
2/5/20101			11.36				
2/5/20102			11.66	7.23	2	-183	
02/08/10	IW-24D						
2/9/20101			10.96	7.5	2.28	-160	
2/9/20102							
02/12/10	IW-27S		10.89	7.32	1.76	-150	
2/15/20101	IW-27S						
2/15/20102							
2/16/20101							
2/16/20102							
02/18/10	IW-19						
02/23/10	IW-11						
2/24/20101			9.71	6.47	89.2	320	
2/24/20102			9.46	6.58	98.8	284	
03/02/10							
03/04/10	None			5.47	50.7	255	
03/05/10	None			4.84	47.6	314	
03/08/10	None			3.28	42.8	530	
03/09/10	None			3.07	35.6	546	
03/11/10	None			2.9	26.5	455	
03/16/10	None			3.51	9.99	367	Clear
03/19/10	None			4.12	20.9	287	Clear
03/23/10	None			5.1	8.35	126	Clear
04/06/10	None			5.82	13.9	90	Clear
04/12/10	None			6.06	9.68	26	Clear

	Indicates increasing trend
	Indicates decreasing trend
-	Parameter Not Measureable Due to Groundwater Conditions (Turbidity/Salinity)
-	Parameter Not Measureable Due to Sensor Malfunction

MW-14S					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-14S	2/4/10	Field	NA	GW	6.93	-171	2.56	--	--	--	--	--	--
MW-14S	2/5/10	Field	NA	GW	6.97	-174	1.75	--	--	--	--	--	--
MW-14S	2/5/10	Field	NA	GW	7.26	-149	1.76	--	--	--	--	--	--
MW-14S	2/5/10	Field	NA	GW	6.98	-171	1.78	--	--	--	--	--	--
MW-14S	2/9/10	Field	NA	GW	7.31	-160	1.74	--	--	--	--	--	--
MW-14S	2/15/10	Field	NA	GW	7.34	-107	1.98	--	--	--	--	--	--
MW-14S	2/15/10	Field	NA	GW	7.31	-130	1.89	--	--	--	--	--	--
MW-14S	2/16/10	Lab	AMS	GW	7.29	262	2.520	74.1	13.2	101.40	ND	45	312
MW-14S	2/16/10	Field	NA	GW	7.22	-198	1.32	--	--	--	--	--	--
MW-14S	2/18/10	Lab	LLL	GW	6.95	260	2.317	73.7	15.2	44.77	<0.1	42.05	368.5
MW-14S	2/19/10	Lab	LLL	GW	6.96	357	2.746	72.6	20.8	9.29	0.12	--	--
MW-14S	2/24/10	Lab	LLL	GW	6.74	325	4.180	73.2	20.2	15.11	0.23	95.4	233
MW-14S	3/2/10	Lab	AMS, BM	GW	6.65	318	3.938	75.4	18.0	9.55	<0.1	11.5	61
MW-14S	3/11/10	Lab	AMS, BM	GW	6.86	330	3.390	73.7	15.2	48.86	<0.1	19.8	194

MW-22D					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-22D	1/18/10	Lab	BLM	GW	6.97	253.00	4.27	73.30	20.90	48.80	<0.1	<5	--
MW-22D	2/5/10	Field	NA	GW	7.47	-150	3.43	--	--	--	--	--	--
MW-22D	2/5/10	Field	NA	GW	7.80	-118	3.55	--	--	--	--	--	--
MW-22D	2/5/10	Field	NA	GW	7.27	-75	3.57	--	--	--	--	--	--
MW-22D	2/9/10	Field	NA	GW	7.75	-152	3.55	--	--	--	--	--	--
MW-22D	2/12/10	Lab	LLL	GW	7.38	343	4.732	75.4	10.8	1.58	<0.1	5	15
MW-22D	2/15/10	Lab	AMS	GW	7.80	283	5.906	74.3	14.0	255.80	ND	13	39
MW-22D	2/15/10	Field	NA	GW	7.94	-49	7.07	--	--	--	--	--	--
MW-22D	2/15/10	Field	NA	GW	7.84	-99	3.98	--	--	--	--	--	--
MW-22D	2/16/10	Lab	AMS	GW	7.93	295	6.375	74.1	15.2	498.30	ND	22	76
MW-22D	2/16/10	Field	NA	GW	7.69	-127	4.02	--	--	--	--	--	--
MW-22D	2/18/10	Lab	LLL	GW	7.58	314	4.572	74.0	15.9	19.00	<0.1	21.45	78.00
MW-22D	2/19/10	Lab	LLL	GW	7.73	302	5.471	72.8	19.5	19.41	<0.1	--	--
MW-22D	2/23/10	Lab	LLL	GW	7.52	300	4.523	72.3	20.0	22.05	<0.1	17.70	40.00
MW-22D	2/24/10	Lab	LLL	GW	7.64	285	5.530	73.4	21.0	18.07	<0.1	23.75	60.50
MW-22D	3/2/10	Lab	AMS, BM	GW	7.33	236	4.595	74.9	18.7	12.88	<0.1	<5.0	<25
MW-22D	3/11/10	Lab	AMS, BM	GW	7.54	214	4.919	75.1	16.5	42.06	<0.1	13.25	29.5

MW-23S					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-23S	1/19/10	Lab	BLM	GW	7.00	57.00	1.47	73.20	21.00	9.07	<0.1	<5	--
MW-23S	2/4/10	Field	NA	GW	6.82	-200	1.46	--	--	--	--	--	--
MW-23S	2/5/10	Field	NA	GW	7.04	-192	0.88	--	--	--	--	--	--
MW-23S	2/5/10	Field	NA	GW	7.90	-155	0.88	--	--	--	--	--	--
MW-23S	2/5/10	Field	NA	GW	7.04	-211	0.88	--	--	--	--	--	--
MW-23S	2/9/10	Field	NA	GW	7.31	-207	0.87	--	--	--	--	--	--
MW-23S	2/15/10	Field	NA	GW	7.42	-150	0.71	--	--	--	--	--	--
MW-23S	2/15/10	Field	NA	GW	7.67	-128	3.83	--	--	--	--	--	--
MW-23S	2/16/10	Field	NA	GW	7.64	-120	2.30	--	--	--	--	--	--
MW-23S	2/18/10	Lab	LLL	GW	7.25	297	1.809	74.5	16.6	35.52	<0.1	5.35	BRL(<25)
MW-23S	2/19/10	Lab	LLL	GW	7.43	293	1.461	73.7	20.0	9.30	<0.1	--	--
MW-23S	2/23/10	Lab	LLL	GW	12.13	248	82.060	74.8	20.0	114.30	71.32	221.95	BRL(<25)
MW-23S	2/24/10	Lab	LLL	GW	12.68	244	85.250	67.4	20.8	287.40	78.58	91.40	BRL(<25)
MW-23S	3/2/10	Lab	AMS, BM	GW	8.77	148	15.140	75.4	18.4	56.28	7.170	<5.0	<25
MW-23S	3/11/10	Lab	AMS, BM	GW	6.76	256	18.070	73.4	16.6	271.30	5.41	6.15	<25

MW-12D					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-12D	1/18/10	Lab	BLM	GW	7.08	323	3.742	73.60	20.8	524.7	<0.1	--	--
MW-12D	2/4/10	Field	NA	GW	6.98	-103	1.26	--	--	--	--	--	--
MW-12D	2/4/10	Field	NA	GW	7.41	-125	5.67	--	--	--	--	--	--
MW-12D	2/5/10	Field	NA	GW	6.84	-100	0.68	--	--	--	--	--	--
MW-12D	2/5/10	Field	NA	GW	7.23	-66	0.69	--	--	--	--	--	--
MW-12D	2/5/10	Field	NA	GW	7.21	-108	0.69	--	--	--	--	--	--
MW-12D	2/9/10	Field	NA	GW	7.22	-116	0.69	--	--	--	--	--	--
MW-12D	2/15/10	Field	NA	GW	7.30	-48	0.72	--	--	--	--	--	--
MW-12D	2/15/10	Field	NA	GW	7.53	-37	3.18	--	--	--	--	--	--
MW-12D	2/15/10	Field	NA	GW	8.78	248	0.78	--	--	--	--	--	--
MW-12D	2/16/10	Field	NA	GW	7.99	-50	0.93	--	--	--	--	--	--
MW-12D	2/18/10	Lab	LLL	GW	6.89	279	1.401	74.1	14.9	16.54	0.136	BRL(<5)	BRL(<25)
MW-12D	2/19/10	Lab	LLL	GW	6.97	390	1.243	73.2	16.6	11.20	0.137	--	--
MW-12D	2/23/10	Lab	LLL	GW	6.68	333	1.623	72.7	20.0	14.69	<0.1	BRL(<5)	BRL(<25)
MW-12D	2/24/10	Lab	LLL	GW	6.67	332	4.248	73.1	20.1	29.70	2.06	BRL(<5)	BRL(<25)
MW-12D	3/2/10	Lab	AMS, BM	GW	6.47	333	4.798	75.9	19.1	3.86	0.80	<5.0	<25
MW-12D	3/11/10	Lab	AMS, BM	GW	6.67	349	3.722	73.2	18.2	4.38	0.39	<5.0	<25

MW-9					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-9	2/9/10	Lab	AS	GW	7.15	308	3.436	74.4	12.1	35.63	ND	79	214
MW-9	2/12/10	Lab	LLL	GW	7.20	368	3.482	75.8	10.1	7.10	<0.1	75	146
MW-9	2/15/10	Lab	AMS	GW	6.97	346	2.787	74.5	14.2	34.76	ND	75	164
MW-9	2/16/10	Lab	AMS	GW	7.55	260	3.261	74.0	14.8	44.36	ND	82	202
MW-9	2/18/10	Lab	LLL	GW	7.14	255	2.916	74.9	14.9	15.14	<0.1	82.75	256.5
MW-9	2/19/10	Lab	LLL	GW	7.04	333	2.965	73.7	16.8	12.86	<0.1	--	--
MW-9	2/23/10	Lab	LLL	GW	7.21	302	2.651	72.5	19.7	27.55	<0.1	66.95	176.5
MW-9	2/24/10	Lab	LLL	GW	7.35	239	3.275	73.1	19.2	19.62	<0.1	80.10	218.0
MW-9	3/2/10	Lab	AMS, BM	GW	6.75	294	3.061	75.4	18.3	13.43	<0.1	30.6	<25
MW-9	3/11/10	Lab	AMS, BM	GW	7.44	283	2.688	74.5	16.3	29.75	<0.1	43.3	173

MW-16					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-16	2/4/10	Field	NA	GW	7.13	-311	4.30	--	--	--	--	--	--
MW-16	2/5/10	Field	NA	GW	--	--	--	--	--	--	--	--	--
MW-16	2/5/10	Field	NA	GW	7.23	-277	3.41	--	--	--	--	--	--
MW-16	2/5/10	Field	NA	GW	7.86	-194	2.89	--	--	--	--	--	--
MW-16	2/5/10	Field	NA	GW	7.38	-295	3.29	--	--	--	--	--	--
MW-16	2/9/10	Lab	AS	GW	7.43	269	4.180	74.7	12.9	87.96	ND	63	71
MW-16	2/9/10	Field	NA	GW	7.71	-241	3.10	--	--	--	--	--	--
MW-16	2/12/10	Lab	LLL	GW	7.35	348	4.035	78.6	10.4	4.59	<0.1	27	29
MW-16	2/15/10	Lab	AMS	GW	7.07	342	4.290	74.7	12.1	35.71	ND	22	BRL (<25)
MW-16	2/15/10	Field	NA	GW	7.09	-168	3.71	--	--	--	--	--	--
MW-16	2/15/10	Field	NA	GW	7.54	-140	2.65	--	--	--	--	--	--
MW-16	2/16/10	Lab	AMS	GW	7.39	263	4.492	74.5	13.2	152.90	ND	72	BRL (<25)
MW-16	2/16/10	Field	NA	GW	6.80	-117	3.77	--	--	--	--	--	--
MW-16	2/18/10	Lab	LLL	GW	7.05	251	4.358	73.6	16.8	103.30	<0.1	48.95	BRL(<25)
MW-16	2/19/10	Lab	LLL	GW	7.31	248	4.634	73.2	20.3	6.13	<0.1	--	--
MW-16	2/23/10	Lab	LLL	GW	7.24	280	4.180	72.5	20.7	43.64	<0.1	24.10	BRL(<25)
MW-16	2/24/10	Lab	LLL	GW	7.70	274	4.435	73.4	19.1	11.29	<0.1	38.85	BRL(<25)
MW-16	3/2/10	Lab	AMS, BM	GW	7.22	282	3.133	75.4	16.9	10.81	<0.1	8.50	<25
MW-16	3/11/10	Lab	AMS, BM	GW	7.29	284	4.273	74.5	14.7	30.37	<0.1	13.7	<25

MW-6S					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-6S	2/5/10	Field	NA	GW	7.87	-144	0.65	--	--	--	--	--	--
MW-6S	2/9/10	Field	NA	GW	8.12	-178	0.68	--	--	--	--	--	--
MW-6S	2/18/10	Lab	LLL	GW	11.13	149	2.311	74.3	15.3	37.5	<0.1	BRL(<5)	BRL(<25)
MW-6S	2/19/10	Lab	LLL	GW	7.22	339	2.800	72.6	16.7	21.6	<0.1	--	--
MW-6S	2/23/10	Lab	LLL	GW	8.16	223	0.773	72.7	20.2	12.67	<0.1	BRL(<5)	BRL(<25)
MW-6S	2/24/10	Lab	LLL	GW	5.88	234	4.831	72.8	19.4	12.69	<0.1	54.0	78.50
MW-6S	3/2/10	Lab	AMS, BM	GW	6.28	357	5.355	75.3	19.2	33.64	0.743	<5.0	<25
MW-6S	3/11/10	Lab	AMS, BM	GW	6.07	509	5.617	75.0	14.7	18.83	0.144	<5.0	<25

MW-6D					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-6D	2/19/10	Lab	LLL	GW	4.25	568	9.916	73.3	17.0	151.8	1.440	--	--
MW-6D	2/23/10	Lab	LLL	GW	5.31	434	5.151	71.8	20.2	68.85	0.187	19.35	BRL(<25)
MW-6D	2/24/10	Lab	LLL	GW	8.89	238	0.420	72.4	19.7	3.58	<0.1	BRL(<5)	BRL(<25)
MW-6D	3/2/10	Lab	AMS, BM	GW	7.13	297	2.305	74.4	18.3	10.65	<0.1	569.3	147.50
MW-6D	3/2/10	Lab	AMS, BM	GW	7.13	297	2.305	74.4	18.3	10.65	<0.1	42.4	13.50
MW-6D	3/11/10	Lab	AMS, BM	GW	7.18	395	3.292	73.5	17.3	65.41	<0.1	60.1	123
MW-6D	2/4/10	Field	NA	GW	7.07	--	6.58	--	--	--	--	--	--
MW-6D	2/5/10	Field	NA	GW	6.93	--	23.50	--	--	--	--	--	--
MW-6D	2/5/10	Field	NA	GW	6.96	--	25.20	--	--	--	--	--	--
MW-6D	2/9/10	Field	NA	GW	7.30	--	17.20	--	--	--	--	--	--
MW-6D	2/9/10	Field	NA	GW	7.32	--	9.50	--	--	--	--	--	--
MW-6D	2/15/10	Field	NA	GW	7.31	--	5.60	--	--	--	--	--	--
MW-6D	2/4/10	Field	NA	GW	7.07	-200	6.58	--	--	--	--	--	--
MW-6D	2/5/10	Field	NA	GW	6.93	-224	23.50	--	--	--	--	--	--
MW-6D	2/5/10	Field	NA	GW	6.96	-219	25.20	--	--	--	--	--	--
MW-6D	2/9/10	Field	NA	GW	7.30	-190	17.20	--	--	--	--	--	--
MW-6D	2/9/10	Field	NA	GW	7.32	-166	9.50	--	--	--	--	--	--
MW-6D	2/15/10	Field	NA	GW	7.31	-216	5.60	--	--	--	--	--	--

MW-8					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-8	1/21/10	Lab	BLM	GW	7.25	28.00	2.58	73.40	20.90	87.00	<0.1	<5	--
MW-8	2/4/10	Field	NA	GW	7.79	-89	1.08	--	--	--	--	--	--
MW-8	2/5/10	Field	NA	GW	7.33	-99	0.47	--	--	--	--	--	--
MW-8	2/5/10	Field	NA	GW	7.46	-117	0.83	--	--	--	--	--	--
MW-8	2/9/10	Field	NA	GW	7.89	-96	0.54	--	--	--	--	--	--
MW-8	2/9/10	Field	NA	GW	7.17	-99	0.74	--	--	--	--	--	--
MW-8	2/15/10	Field	NA	GW	7.70	-34	1.00	--	--	--	--	--	--
MW-8	3/2/10	Lab	AMS, BM	GW	7.52	281	2.585	75.5	18.0	8.48	<0.1	<5.0	<25
MW-8	3/11/10	Lab	AMS, BM	GW	7.85	257	2.004	74.2	16.7	10.89	<0.1	5.9	<25

MW-10					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-10	2/4/10	Field	NA	GW	7.63	-123	3.93	--	--	--	--	--	--
MW-10	2/5/10	Field	NA	GW	7.84	-123	1.35	--	--	--	--	--	--
MW-10	2/5/10	Field	NA	GW	8.17	-70	1.37	--	--	--	--	--	--
MW-10	2/5/10	Field	NA	GW	7.90	-176	1.36	--	--	--	--	--	--
MW-10	2/9/10	Field	NA	GW	8.15	-131	1.36	--	--	--	--	--	--
MW-10	2/15/10	Field	NA	GW	8.22	-128	1.57	--	--	--	--	--	--
MW-10	2/15/10	Field	NA	GW	8.21	-107	1.83	--	--	--	--	--	--
MW-10	2/16/10	Field	NA	GW	8.08	-117	2.49	--	--	--	--	--	--
MW-10	2/24/10	Lab	LLL	GW	7.82	248	2.282	72.7	19.4	7.18	<0.1	BRL(<5)	BRL(<25)
MW-10	3/2/10	Lab	AMS, BM	GW	7.22	286	2.308	76.6	18.2	2.42	<0.1	<5.0	<25
MW-10	3/11/10	Lab	AMS, BM	GW	7.73	339	1.844	75.1	14.9	4.28	<0.1	<5.0	<25

MW-11					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-11	2/4/10	Field	NA	GW	7.31	-123	2.39	--	--	--	--	--	--
MW-11	2/5/10	Field	NA	GW	7.58	-125	1.94	--	--	--	--	--	--
MW-11	2/5/10	Field	NA	GW	7.93	-122	1.93	--	--	--	--	--	--
MW-11	2/5/10	Field	NA	GW	7.60	-136	1.95	--	--	--	--	--	--
MW-11	2/9/10	Field	NA	GW	7.31	-158	1.93	--	--	--	--	--	--
MW-11	2/15/10	Field	NA	GW	7.91	-9	3.04	--	--	--	--	--	--
MW-11	2/24/10	Lab	LLL	GW	7.68	261	2.716	73.4	19.8	10.65	<0.1	10.55	BRL(<25)
MW-11	3/2/10	Lab	AMS, BM	GW	7.29	276	2.626	75.3	18.4	3.04	<0.1	<5.0	<25
MW-11	3/11/10	Lab	AMS, BM	GW	7.45	345	2.286	73.9	16.0	11.25	<0.1	15.8	<25

MW-13S					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-13S	1/21/10	Lab	BLM	GW	7.31	294.00	1.50	73.20	21.00	1.35	<0.1	<5	--
MW-13S	2/4/10	Field	NA	GW	7.17	-190	1.62	--	--	--	--	--	--
MW-13S	2/5/10	Field	NA	GW	7.32	-176	1.20	--	--	--	--	--	--
MW-13S	2/5/10	Field	NA	GW	7.60	-158	1.23	--	--	--	--	--	--
MW-13S	2/5/10	Field	NA	GW	7.27	-191	1.22	--	--	--	--	--	--
MW-13S	2/9/10	Field	NA	GW	7.54	-197	1.24	--	--	--	--	--	--
MW-13S	2/15/10	Field	NA	GW	7.65	-131	1.26	--	--	--	--	--	--
MW-13S	2/16/10	Field	NA	GW	7.61	-140	1.19	--	--	--	--	--	--
MW-13S	2/24/10	Lab	LLL	GW	7.43	294	2.011	73.2	21.0	10.90	<0.1	16.1	BRL(<25)
MW-13S	3/2/10	Lab	AMS, BM	GW	7.09	296	2.332	75.2	19.2	3.49	<0.1	<5.0	<25
MW-13S	3/11/10	Lab	AMS, BM	GW	7.31	346	1.238	74.1	16.1	8.69	<0.1	6.9	<25

MW-15D					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-15D	2/4/10	Field	NA	GW	7.27	-124	1.53	--	--	--	--	--	--
MW-15D	2/5/10	Field	NA	GW	--	--	--	--	--	--	--	--	--
MW-15D	2/5/10	Field	NA	GW	7.40	-119	0.82	--	--	--	--	--	--
MW-15D	2/5/10	Field	NA	GW	7.91	-157	0.84	--	--	--	--	--	--
MW-15D	2/5/10	Field	NA	GW	7.61	-121	0.83	--	--	--	--	--	--
MW-15D	2/9/10	Field	NA	GW	7.99	-177	0.83	--	--	--	--	--	--
MW-15D	2/15/10	Lab	AMS	GW	7.65	321	1.533	74.8	12.4	2.90	ND	BRL (<5)	BRL (<25)
MW-15D	2/15/10	Field	NA	GW	8.00	-157	0.86	--	--	--	--	--	--
MW-15D	2/15/10	Field	NA	GW	8.03	-142	0.89	--	--	--	--	--	--
MW-15D	2/16/10	Lab	AMS	GW	7.72	256	1.963	74.3	13.3	71.57	ND	10	BRL (<25)
MW-15D	2/16/10	Field	NA	GW	7.82	-164	0.96	--	--	--	--	--	--
MW-15D	2/18/10	Lab	LLL	GW	7.56	250	1.382	74.4	16.6	3.77	<0.1	BRL(<5)	BRL(<25)
MW-15D	2/19/10	Lab	LLL	GW	7.82	288	1.304	72.3	20.8	0.85	<0.1	--	--
MW-15D	2/23/10	Lab	LLL	GW	7.67	289	1.551	73.2	20.0	1.94	<0.1	BRL(<5)	BRL(<25)
MW-15D	2/24/10	Lab	LLL	GW	7.71	288	1.997	73.1	19.6	6.75	<0.1	8.05	BRL(<25)
MW-15D	3/2/10	Lab	AMS, BM	GW	7.50	287	2.017	75.4	17.8	1.63	<0.1	<5.0	<25
MW-15D	3/11/10	Lab	AMS, BM	GW	7.76	297	1.279	74.5	14.7	6.46	<0.1	6.75	<25

MW-17S					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-17S	1/21/10	Lab	BLM	GW	7.24	285.00	2.32	73.00	21.00	3.76	<0.1	<5	--
MW-17S	2/4/10	Field	NA	GW	7.22	-98	1.88	--	--	--	--	--	--
MW-17S	2/5/10	Field	NA	GW	--	--	--	--	--	--	--	--	--
MW-17S	2/5/10	Field	NA	GW	7.30	-103	1.87	--	--	--	--	--	--
MW-17S	2/5/10	Field	NA	GW	7.56	-117	1.48	--	--	--	--	--	--
MW-17S	2/5/10	Field	NA	GW	7.25	-108	1.97	--	--	--	--	--	--
MW-17S	2/9/10	Field	NA	GW	7.59	-140	1.48	--	--	--	--	--	--
MW-17S	2/15/10	Field	NA	GW	7.65	-119	1.48	--	--	--	--	--	--
MW-17S	2/15/10	Field	NA	GW	7.67	-93	1.93	--	--	--	--	--	--
MW-17S	2/16/10	Field	NA	GW	7.52	-80	5.13	--	--	--	--	--	--
MW-17S	2/24/10	Lab	LLL	GW	7.39	294	2.624	71.5	19.0	25.44	<0.1	BRL(<5)	BRL(<25)
MW-17S	3/2/10	Lab	AMS, BM	GW	7.09	299	2.006	75.5	17.2	17.65	<0.1	<5.0	<25
MW-17S	3/11/10	Lab	AMS, BM	GW	7.20	300	1.842	76.2	14.3	21.83	<0.1	<5.0	<25

MW-18D					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-18D	1/22/10	Lab	BLM	GW	7.30	288.00	2.66	73.00	21.00	3.97	<0.1	<5	--
MW-18D	2/4/10	Field	NA	GW	7.32	-181	2.80	--	--	--	--	--	--
MW-18D	2/5/10	Field	NA	GW	--	--	--	--	--	--	--	--	--
MW-18D	2/5/10	Field	NA	GW	7.18	-154	1.95	--	--	--	--	--	--
MW-18D	2/5/10	Field	NA	GW	1.94	--	2.03	--	--	--	--	--	--
MW-18D	2/5/10	Field	NA	GW	7.44	-197	1.95	--	--	--	--	--	--
MW-18D	2/9/10	Field	NA	GW	7.59	-200	1.95	--	--	--	--	--	--
MW-18D	2/15/10	Field	NA	GW	7.74	-181	2.14	--	--	--	--	--	--
MW-18D	2/15/10	Field	NA	GW	7.71	-151	2.30	--	--	--	--	--	--
MW-18D	2/16/10	Field	NA	GW	7.61	-161	2.86	--	--	--	--	--	--
MW-18D	2/24/10	Lab	LLL	GW	7.44	244	2.807	74	19.3	29.12	<0.1	15.55	BRL(<25)
MW-18D	3/2/10	Lab	AMS, BM	GW	7.17	294	2.714	76.6	17.6	12.04	<0.1	<5.0	<25
MW-18D	3/11/10	Lab	AMS, BM	GW	7.36	287	2.220	75.1	15.1	34.99	<0.1	10.45	<25

MW-19					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-19	2/4/10	Field	NA	GW	7.09	-224	8.30	--	--	--	--	--	--
MW-19	2/5/10	Field	NA	GW	--	--	--	--	--	--	--	--	--
MW-19	2/5/10	Field	NA	GW	7.17	-267	0.36	--	--	--	--	--	--
MW-19	2/5/10	Field	NA	GW	7.58	-213	5.85	--	--	--	--	--	--
MW-19	2/5/10	Field	NA	GW	7.24	-261	6.58	--	--	--	--	--	--
MW-19	2/9/10	Field	NA	GW	7.82	-274	8.57	--	--	--	--	--	--
MW-19	2/15/10	Field	NA	GW	7.64	-258	9.27	--	--	--	--	--	--
MW-19	2/15/10	Field	NA	GW	7.70	-229	8.39	--	--	--	--	--	--
MW-19	2/16/10	Field	NA	GW	7.50	-242	9.45	--	--	--	--	--	--
MW-19	3/2/10	Lab	AMS, BM	GW	7.15	222	10.190	75.3	18.3	48.59	<0.1	<5.0	<25
MW-19	3/11/10	Lab	AMS, BM	GW	7.45	-145	6.640	74.8	16.6	109.70	<0.1	<5.0	<25

MW-20S					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-20S	2/4/10	Field	NA	GW	7.13	-75	1.65	--	--	--	--	--	--
MW-20S	2/5/10	Field	NA	GW	--	--	--	--	--	--	--	--	--
MW-20S	2/5/10	Field	NA	GW	7.06	-95	0.95	--	--	--	--	--	--
MW-20S	2/5/10	Field	NA	GW	7.39	146	0.41	--	--	--	--	--	--
MW-20S	2/5/10	Field	NA	GW	7.02	-93	0.95	--	--	--	--	--	--
MW-20S	2/9/10	Field	NA	GW	7.34	-126	0.60	--	--	--	--	--	--
MW-20S	2/15/10	Lab	AMS	GW	7.01	332	1.827	74.4	13.1	79.09	ND	BRL (<5)	BRL (<25)
MW-20S	2/15/10	Field	NA	GW	7.48	-82	0.96	--	--	--	--	--	--
MW-20S	2/15/10	Field	NA	GW	7.53	-119	0.47	--	--	--	--	--	--
MW-20S	2/16/10	Lab	AMS	GW	7.24	296	2.123	74.3	13.5	186.50	ND	7	BRL (<25)
MW-20S	2/16/10	Field	NA	GW	7.46	-129	0.93	--	--	--	--	--	--
MW-20S	2/18/10	Lab	LLL	GW	6.88	276	2.001	74.5	16.1	52.78	<0.1	BRL (<5)	BRL (<25)
MW-20S	2/19/10	Lab	LLL	GW	7.18	283	1.437	74.0	19.7	52.82	<0.1	--	--
MW-20S	2/23/10	Lab	LLL	GW	7.06	306	1.858	72.3	21.1	12.54	<0.1	BRL (<5)	BRL (<25)
MW-20S	2/24/10	Lab	LLL	GW	7.22	311	1.591	73.2	19.7	13.01	<0.1	BRL (<5)	BRL (<25)
MW-20S	3/2/10	Lab	AMS, BM	GW	7.06	288	1.953	75.2	19.4	5.89	<0.1	<5.0	<25
MW-20S	3/11/10	Lab	AMS, BM	GW	7.24	171	1.876	74.3	18.5	36.25	<0.1	<5.0	<25

MW-21S					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-21S	1/18/10	Lab	BLM	GW	6.90	333	1.717	73.20	20.7	28.4	<0.1	<5	--
MW-21S	2/4/10	Field	NA	GW	7.06	-238	1.62	--	--	--	--	--	--
MW-21S	2/5/10	Field	NA	GW	--	--	--	--	--	--	--	--	--
MW-21S	2/5/10	Field	NA	GW	7.00	-232	1.16	--	--	--	--	--	--
MW-21S	2/5/10	Field	NA	GW	7.34	-196	1.21	--	--	--	--	--	--
MW-21S	2/5/10	Field	NA	GW	7.02	-238	1.18	--	--	--	--	--	--
MW-21S	2/9/10	Field	NA	GW	7.32	-252	1.21	--	--	--	--	--	--
MW-21S	2/15/10	Lab	AMS	GW	12.45	261	71.680	58.6	13.2	198.10	91.68	19	BRL (<5)
MW-21S	2/15/10	Field	NA	GW	9.29	307	57.50	--	--	--	--	--	--
MW-21S	2/15/10	Field	NA	GW	14.18	117	90.80	--	--	--	--	--	--
MW-21S	2/16/10	Lab	AMS	GW	13.04	281	85.200	51.3	15.6	694.00	87.40	42	BRL (<5)
MW-21S	2/16/10	Field	NA	GW	12.67	183	66.70	--	--	--	--	--	--
MW-21S	2/18/10	Lab	LLL	GW	10.62	292	59.88	65.6	16.3	254.40	86.88	17.40	BRL(<25)
MW-21S	2/19/10	Lab	LLL	GW	9.88	312	59.28	66.4	19.4	74.45	61.60	--	--
MW-21S	2/23/10	Lab	LLL	GW	7.32	298	32.63	67.8	20.6	72.95	36.64	BRL(<5)	BRL(<25)
MW-21S	2/24/10	Lab	LLL	GW	8.19	281	27.11	67.9	20.3	106.40	24.12	BRL(<5)	BRL(<25)
MW-21S	3/2/10	Lab	AMS, BM	GW	7.13	186	10.60	73.0	19.3	171	5.36	<5.0	<25
MW-21S	3/11/10	Lab	AMS, BM	GW	6.84	205	4.47	73.8	17.3	47	0.70	<5.0	<25

IW-24D					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
IW-24D	2/4/10	Lab	AS	GW	6.85	289	1.812	74.1	13.8	17.21	ND	--	--
IW-24D	2/4/10	Field	NA	GW	6.15	-280	1.68	--	--	--	--	--	--
IW-24D	2/5/10	Field	NA	GW	7.21	-221	1.37	--	--	--	--	--	--
IW-24D	2/5/10	Field	NA	GW	7.31	-225	1.40	--	--	--	--	--	--
IW-24D	2/5/10	Field	NA	GW	12.23	-63	1.94	--	--	--	--	--	--
IW-24D	2/5/10	Field	NA	GW	7.31	-225	1.40	--	--	--	--	--	--
IW-24D	2/9/10	Field	NA	GW	13.73	33	54.90	--	--	--	--	--	--
IW-24D	2/15/10	Field	NA	GW	7.80	263	75.10	--	--	--	--	--	--
IW-24D	2/16/10	Field	NA	GW	6.67	275	71.20	--	--	--	--	--	--

MW-26					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-26	2/24/10	Lab	LLL	GW	7.76	296	5.018	72.8	20.2	33.51	<0.1	40.30	BRL(<25)
MW-26	3/2/10	Lab	AMS, BM	GW	7.22	218	3.201	74.5	18.3	57.51	<0.1	9.40	<25
MW-26	3/11/10	Lab	AMS, BM	GW	7.38	241	2.849	74.8	16.2	355.10	<0.1	20.85	<25

MW-30					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-30	2/24/10	Lab	LLL	GW	7.31	316	2.025	72.2	19.9	17.08	<0.1	17.80	BRL(<25)
MW-30	3/2/10	Lab	AMS, BM	GW	6.97	267	1.808	75.1	18.2	7.99	<0.1	<5.0	<25
MW-30	3/11/10	Lab	AMS, BM	GW	6.90	259	0.965	73.8	16.6	32.53	<0.1	<5.0	<25

MW-33S					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-33S	2/4/10	Field	NA	GW	7.14	-169	2.57	--	--	--	--	--	--
MW-33S	2/5/10	Field	NA	GW	6.93	-189	1.73	--	--	--	--	--	--
MW-33S	2/5/10	Field	NA	GW	6.89	-168	1.00	--	--	--	--	--	--
MW-33S	2/9/10	Field	NA	GW	7.16	-149	0.68	--	--	--	--	--	--
MW-33S	2/9/10	Field	NA	GW	7.21	-141	1.77	--	--	--	--	--	--
MW-33S	2/15/10	Field	NA	GW	7.32	-156	1.07	--	--	--	--	--	--
MW-33S	2/23/10	Lab	LLL	GW	7.17	303	2.699	71.6	20.0	48.91	<0.1	34.65	BRL(<25)
MW-33S	2/24/10	Lab	LLL	GW	7.23	312	3.053	73.4	20.1	28.34	0.37	7.95	BRL(<25)
MW-33S	3/2/10	Lab	AMS, BM	GW	6.64	281	3.041	75.5	18.6	38.00	0.145	<5.0	<25
MW-33S	3/11/10	Lab	AMS, BM	GW	7.01	250	2.018	75.0	16.9	57.52	<0.1	9.45	<25

MW-33D					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
MW-33D	2/4/10	Field	NA	GW	7.80	-161	3.35	--	--	--	--	--	--
MW-33D	2/5/10	Field	NA	GW	7.86	-122	3.35	--	--	--	--	--	--
MW-33D	2/5/10	Field	NA	GW	7.81	-91	3.40	--	--	--	--	--	--
MW-33D	2/9/10	Field	NA	GW	8.07	-156	3.40	--	--	--	--	--	--
MW-33D	2/9/10	Field	NA	GW	8.14	-99	3.42	--	--	--	--	--	--
MW-33D	2/15/10	Field	NA	GW	8.18	-18	3.59	--	--	--	--	--	--
MW-33D	2/23/10	Lab	LLL	GW	7.88	272	6.261	72.8	19.9	28.40	<0.1	39.60	BRL(<25)
MW-33D	2/24/10	Lab	LLL	GW	8.03	266	4.994	72.7	19.9	35.28	<0.1	41.15	BRL(<25)
MW-33D	3/2/10	Lab	AMS, BM	GW	6.57	237	4.684	75.3	19.2	4.58	<0.1	7.55	<25
MW-33D	3/11/10	Lab	AMS, BM	GW	7.89	221	3.951	73.0	18.3	22.70	<0.1	24.6	<25

SYSTEM					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
System	2/4/10	Lab	AS	GW	12.90	95	28.020	39.7	13.7	89.76	17.12	--	--
System	2/8/10	Lab	AS	GW	12.36	244	78.490	56.8	14.1	--	62.89	--	--
System	2/9/10	Lab	AS	GW	12.95	298	91.080	72.0	13.8	--	99	--	--
System	2/12/10	Lab	LLL	GW	12.45	278	70.24	45.3	11.8	40.72	81	--	--
System	2/18/10	Lab	LLL	GW	13.21	275	131.20	39.8	19.2	--	125	--	--
System	2/19/10	Lab	LLL	GW	11.46	268	84.46	38.5	20.6	--	76.51	--	--
System	2/24/10	Lab	LLL	GW	13.13	327	113.5	33.2	20.8	--	113.14	--	--

SP STOCK					Fleming-Lee Shue Parameter Data Log								
Sample ID	Sample Date	Analysis Location	Analyst	Sample Matrix	pH	ORP (mV)	Cd (ms/cm)	IFT (mN/m)	Temp (C)	Turbidity (NTU)	SP (g/L)	TPH (DRO) ppm	TPH (GRO) ppm
SP STOCK	2/4/10	Lab	AS	GW	--	--	157.200	--	--	--	423	--	--

Appendix X2



07/02/10

Technical Report for

Fleming-Lee Shue, Inc.

Queens West, Parcel 8, 47th Road, Long Island City, NY

10011-017-4

Accutest Job Number: JA37474

Sampling Dates: 01/11/10 - 01/12/10

Report to:

Fleming-Lee Shue, Inc.

steve@flemingleeshue.com

ATTN: Steve Panter

Total number of pages in report: **124**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP Ops, Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Fleming-Lee Shue, Inc.

Job No: JA37474

Queens West, Parcel 8, 47th Road, Long Island City, NY
Project No: 10011-017-4

Sample Number	Collected			Received	Matrix		Client Sample ID
	Date	Time	By		Code	Type	
JA37474-1	01/11/10	11:00	KB	01/13/10	SO	Soil	PI-24-1S
JA37474-2	01/11/10	11:30	KB	01/13/10	SO	Soil	PI-24-2S
JA37474-3	01/11/10	14:27	KB	01/13/10	AQ	Ground Water	PI-24-S1
JA37474-4	01/11/10	13:40	KB	01/13/10	SO	Soil	PI-24-3S
JA37474-5	01/11/10	14:05	KB	01/13/10	SO	Soil	PI-24-4S
JA37474-6	01/11/10	14:35	KB	01/13/10	SO	Soil	PI-24-5S
JA37474-7	01/11/10	15:05	KB	01/13/10	SO	Soil	PI-24-6S
JA37474-8	01/12/10	10:35	KB	01/13/10	SO	Soil	PI-24-7S
JA37474-9	01/12/10	11:10	KB	01/13/10	AQ	Ground Water	PI-24-S2
JA37474-10	01/12/10	11:15	KB	01/13/10	SO	Soil	PI-24-8S
JA37474-11	01/12/10	11:40	KB	01/13/10	SO	Soil	PI-24-1D
JA37474-12	01/12/10	12:20	KB	01/13/10	SO	Soil	PI-24-2D
JA37474-13	01/12/10	13:35	KB	01/13/10	SO	Soil	PI-24-3D

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary
(continued)

Fleming-Lee Shue, Inc.

Job No: JA37474

Queens West, Parcel 8, 47th Road, Long Island City, NY
Project No: 10011-017-4

Sample Number	Collected		Received	Matrix		Client
	Date	Time By		Code	Type	
JA37474-14	01/12/10	14:50 KB	01/13/10	SO	Soil	PI-24-4D
JA37474-15	01/12/10	15:30 KB	01/13/10	SO	Soil	PI-24-5D

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Fleming-Lee Shue, Inc.

Job No JA37474

Site: Queens West, Parcel 8, 47th Road, Long Island City, NY

Report Date 2/9/2010 11:25:29 AM

On 01/13/2010, 15 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 1.8 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA37474 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: V2B2934

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA37836-5MS, JA37836-5MSD were used as the QC samples indicated.
- RPD(s) for MSD for Styrene are outside control limits for sample JA37836-5MSD. Outside control limits due to matrix interference.

Matrix: AQ

Batch ID: V2B2937

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA37824-16MS, JA37824-16MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Acetone are outside control limits. Outside control limits.
- Matrix Spike Duplicate Recovery(s) for Acetone are outside control limits. Outside control limits.

Matrix: SO

Batch ID: VA5648

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA37474-6MS, JA37474-6MSD were used as the QC samples indicated.

Matrix: SO

Batch ID: VD6620

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA37495-5MS, JA37495-5MSD were used as the QC samples indicated.
- JA37474-2: Diluted due to high concentration of non-target compound.

Matrix: SO

Batch ID: VD6621

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA37617-1MS, JA37617-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JA37474-13: Diluted due to high concentration of non-target compound.
- JA37474-7: Diluted due to high concentration of non-target compound.
- JA37474-4: Dilution required due to matrix interference.
- JA37474-15: Diluted due to high concentration of non-target compound.

Matrix: SO

Batch ID: VD6626

Volatiles by GCMS By Method SW846 8260B**Matrix:** SO**Batch ID:** VD6626

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA37789-15MS, JA37789-15MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Bromodichloromethane, Dibromochloromethane are outside control limits.
- VD6626-BS for Dibromochloromethane: High percent recoveries and no associated positive found in the QC batch.
- VD6626-BS for Bromodichloromethane: High percent recoveries and no associated positive found in the QC batch.

Matrix: SO**Batch ID:** VV4135

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA37841-1MS, JA37841-1MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Acetone are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Acetone are outside control limits. Probable cause due to matrix interference.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ

Batch ID: OP41838

- All samples were extracted within the recommended method holding time.
- Sample(s) JA37474-3MS, JA37474-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, Carbazole, Fluoranthene are outside control limits. Outside control limits due matrix interference.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Acenaphthene, Anthracene, Dibenzofuran, Fluorene, 2-Methylnaphthalene, Naphthalene, Phenanthrene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike Recovery(s) for Pyrene is outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol are outside control limits for sample OP41838-MSD. Probable cause due to sample homogeneity.
- Sample(s) JA37474-14, JA37474-10, JA37474-11, JA37474-12, JA37474-13, JA37474-14, JA37474-15, JA37474-2, JA37474-3, JA37474-5, JA37474-7, JA37474-8, JA37474-9, OP41838-MSD have surrogates outside control limits. Probable cause due to matrix interference.
- JA37474-3 for Phenol-d5: Outside control limits due to dilution.
- JA37474-9 for Phenol-d5: Outside control limits due to dilution.
- JA37474-9 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37474-9 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37474-9 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37474-9 for Nitrobenzene-d5: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- JA37474-9 for 2-Fluorobiphenyl: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- JA37474-3 for Terphenyl-d14: Outside control limits due to dilution.
- JA37474-9 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37474-3 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37474-3 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37474-3 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37474-3 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- OP41838-MSD for Phenol-d5: Outside of in house control limits, but within reasonable method recovery limits.
- OP41838-MS for Pyrene: Outside control limits due to matrix interference.
- OP41838-MS for 2,4-Dinitrophenol: Outside control limits due to matrix interference.
- JA37474-9 for Terphenyl-d14: Outside control limits due to dilution.
- OP41838-MS for Fluoranthene: Outside control limits due to matrix interference.
- OP41838-MS for Carbazole: Outside control limits due to matrix interference.
- OP41838-MS for 4,6-Dinitro-o-cresol: Outside control limits due to matrix interference.

Matrix: SO

Batch ID: OP41931

- All samples were extracted within the recommended method holding time.
- Sample(s) JA37991-2MS, JA37991-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for N-Nitrosodiphenylamine are outside control limits.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for 2-Methylnaphthalene, Naphthalene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Sample(s) JA37474-14, JA37474-10, JA37474-11, JA37474-12, JA37474-13, JA37474-14, JA37474-15, JA37474-2, JA37474-3, JA37474-5, JA37474-7, JA37474-8, JA37474-9, OP41838-MSD have surrogates outside control limits. Probable cause due to matrix interference.
- JA37474-15: Diluted due to high concentration of target compound and matrix interference.
- JA37474-5: Diluted due to high concentration of target compound and matrix interference.

Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP41931

- JA37474-10: Diluted due to high concentration of target compound and matrix interference.
- JA37474-8 for Terphenyl-d14: Outside control limits due to dilution.
- JA37474-5 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37474-15 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37474-13 for Terphenyl-d14: Outside control limits due to dilution.
- JA37474-13 for Phenol-d5: Outside control limits due to dilution.
- JA37474-5 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37474-8 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37474-5 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37474-5 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37474-13 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37474-5 for Phenol-d5: Outside control limits due to dilution.
- JA37474-5 for Terphenyl-d14: Outside control limits due to dilution.
- JA37474-11 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37474-7 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37474-11 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37474-13 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37474-2 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37474-7 for Phenol-d5: Outside control limits due to dilution.
- JA37474-7 for Terphenyl-d14: Outside control limits due to dilution.
- JA37474-8 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37474-8 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37474-7 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37474-7 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37474-7 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37474-2 for Terphenyl-d14: Outside control limits due to dilution.
- JA37474-8 for Phenol-d5: Outside control limits due to dilution.
- JA37474-2 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37474-13 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37474-2 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37474-2 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37474-15 for Terphenyl-d14: Outside control limits due to dilution.
- JA37474-15 for Phenol-d5: Outside control limits due to dilution.
- JA37474-15 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37474-15 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37474-15 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37474-8 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37474-11 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37474-2 for Phenol-d5: Outside control limits due to dilution.
- JA37474-14 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37474-15 for 2-Fluorophenol: Outside control limits due to dilution.

Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP41931

- JA37474-15 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37474-15 for Phenol-d5: Outside control limits due to dilution.
- JA37474-15 for Terphenyl-d14: Outside control limits due to dilution.
- JA37474-5 for Terphenyl-d14: Outside control limits due to dilution.
- JA37474-10 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37474-10 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37474-10 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37474-10 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37474-10 for Phenol-d5: Outside control limits due to dilution.
- JA37474-11 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37474-14 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- OP41931-BS1 for N-Nitrosodiphenylamine: Outside of in house control limits.
- JA37474-14 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37474-14 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37474-14 for Phenol-d5: Outside control limits due to dilution.
- JA37474-14 for Terphenyl-d14: Outside control limits due to dilution.
- JA37474-12 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37474-12 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37474-12 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37474-12 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37474-12 for Phenol-d5: Outside control limits due to dilution.
- JA37474-12 for Terphenyl-d14: Outside control limits due to dilution.
- JA37474-10 for Terphenyl-d14: Outside control limits due to dilution.
- JA37474-10 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37474-13 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37474-11 for Terphenyl-d14: Outside control limits due to dilution.
- JA37474-13 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37474-14 for Terphenyl-d14: Outside control limits due to dilution.
- JA37474-14 for Phenol-d5: Outside control limits due to dilution.
- JA37474-14 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37474-14 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37474-14 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37474-14 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37474-10 for Terphenyl-d14: Outside control limits due to dilution.
- JA37474-15 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37474-10 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37474-15 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37474-10 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37474-10 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37474-13 for Terphenyl-d14: Outside control limits due to dilution.
- JA37474-13 for Phenol-d5: Outside control limits due to dilution.

Extractables by GCMS By Method SW846 8270C**Matrix:** SO**Batch ID:** OP41931

- JA37474-13 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37474-13 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37474-13 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37474-11 for Phenol-d5: Outside control limits due to dilution.
- JA37474-10 for Phenol-d5: Outside control limits due to dilution.

Matrix: SO**Batch ID:** OP42010

- The data for SW846 8270C meets quality control requirements.
- The following samples were extracted outside of holding time for method SW846 8270C: JA37474-1, JA37474-10, JA37474-12, JA37474-13, JA37474-14, JA37474-2, JA37474-5, JA37474-6, JA37474-7, JA37474-8
- Sample(s) JA37474-14, JA37474-10, JA37474-11, JA37474-12, JA37474-13, JA37474-14, JA37474-15, JA37474-2, JA37474-3, JA37474-5, JA37474-7, JA37474-8, JA37474-9, OP41838-MSD have surrogates outside control limits. Probable cause due to matrix interference.
- JA37474-1: Confirmation run.
- JA37474-5: Confirmation run.
- JA37474-6: Confirmation run.
- JA37474-7: Confirmation run.
- JA37474-2: Confirmation run.
- JA37474-14: Confirmation run.
- JA37474-13: Confirmation run.
- JA37474-12: Confirmation run.
- JA37474-10: Confirmation run.
- JA37474-8: Confirmation run.
- JA37474-13 for 2,4,6-Tribromophenol: Outside control limits due to matrix interference.

Volatiles by GC By Method SW846 8015B

Matrix: AQ

Batch ID: GLM1731

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA37688-3MS, JA37688-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ

Batch ID: GLM1737

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA37949-2MS, JA37949-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO

Batch ID: GUV3122

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA37474-1MS, JA37474-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JA37474-12: Dilution required due to sample matrix (turbidity).
- JA37474-11: Dilution required due to sample matrix (turbidity).
- JA37474-14: Dilution required due to sample matrix (turbidity).

Matrix: SO

Batch ID: GUV3123

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA37779-1MS, JA37779-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JA37474-2: Dilution required due to sample matrix (turbidity).
- JA37474-5: Dilution required due to sample matrix (turbidity).

Matrix: SO

Batch ID: GUV3124

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA37957-1MS, JA37957-1MSD were used as the QC samples indicated.
- JA37474-4: Dilution required due to sample matrix (turbidity).

Extractables by GC By Method SW846-8015

Matrix: AQ

Batch ID: OP41840

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA37605-1MS, JA37605-1MSD were used as the QC samples indicated.
- Sample(s) JA37474-10, JA37474-14, JA37474-15, JA37474-2, JA37474-5 have surrogates outside control limits. Probable cause due to matrix interference.

Matrix: SO

Batch ID: OP41868

- All samples were extracted within the recommended method holding time.
- Sample(s) JA37474-1MS, JA37474-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Duplicate Recovery(s) for TPH-DRO (C10-C28) are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike Recovery(s) for TPH-DRO (C10-C28) are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Sample(s) JA37474-10, JA37474-14, JA37474-15, JA37474-2, JA37474-5 have surrogates outside control limits. Probable cause due to matrix interference.
- JA37474-15 for 5a-Androstane: Outside control limits due to matrix interference.
- JA37474-14 for 5a-Androstane: Outside control limits due to matrix interference.
- JA37474-10 for Tetracosane-d50: Outside control limits due to matrix interference.
- JA37474-10 for 5a-Androstane: Outside control limits due to matrix interference.
- JA37474-2 for 5a-Androstane: Outside control limits due to matrix interference.
- JA37474-5 for o-Terphenyl: Outside control limits due to matrix interference.

Wet Chemistry By Method SM18 2540G

Matrix: SO

Batch ID: GN34066

- The data for SM18 2540G meets quality control requirements.

Matrix: SO

Batch ID: GN34093

- The data for SM18 2540G meets quality control requirements.

Matrix: SO

Batch ID: GN34104

- The data for SM18 2540G meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover



Sample Results

Report of Analysis

Report of Analysis

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Client Sample ID:	PI-24-1S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-1	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	82.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V99137.D	1	01/23/10	JLI	n/a	n/a	VV4135
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	2.8	ug/kg	
71-43-2	Benzene	ND	1.3	0.43	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	0.32	ug/kg	
75-25-2	Bromoform	ND	6.3	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.3	0.51	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.5	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	0.38	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	0.70	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	0.43	ug/kg	
75-00-3	Chloroethane	ND	6.3	1.3	ug/kg	
67-66-3	Chloroform	ND	6.3	0.40	ug/kg	
74-87-3	Chloromethane	ND	6.3	0.21	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	0.14	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.43	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.3	0.83	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.3	0.30	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.3	0.56	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6.3	0.30	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.47	ug/kg	
591-78-6	2-Hexanone	ND	6.3	1.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.35	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.3	1.0	ug/kg	
75-09-2	Methylene chloride	ND	6.3	0.28	ug/kg	
100-42-5	Styrene	ND	6.3	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	0.37	ug/kg	
127-18-4	Tetrachloroethene	2.9	6.3	0.18	ug/kg	J
108-88-3	Toluene	ND	1.3	0.37	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	0.16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-24-1S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-1	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	82.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	6.3	0.23	ug/kg	
79-01-6	Trichloroethene	ND	6.3	0.66	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	0.22	ug/kg	
1330-20-7	Xylene (total)	ND	2.5	0.59	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		67-127%
17060-07-0	1,2-Dichloroethane-D4	81%		65-132%
2037-26-5	Toluene-D8	92%		74-129%
460-00-4	4-Bromofluorobenzene	71%		62-138%

ND = Not detected MDL - Method Detection Limit
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 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: PI-24-1S
Lab Sample ID: JA37474-1
Matrix: SO - Soil
Method: SW846 8270C SW846 3550B
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 01/11/10

Date Received: 01/13/10

Percent Solids: 82.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F86241.D	1	01/26/10	NAP	01/23/10	OP41931	EF4073
Run #2	F86262.D	5	01/27/10	NAP	01/23/10	OP41931	EF4074
Run #3 ^a	F86343.D	1	01/29/10	LP	01/28/10	OP42010	EF4077

	Initial Weight	Final Volume
Run #1	33.4 g	1.0 ml
Run #2	33.4 g	1.0 ml
Run #3	10.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	58	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	61	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	720	44	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	720	44	ug/kg	
95-48-7	2-Methylphenol	ND	72	41	ug/kg	
	3&4-Methylphenol	ND	72	46	ug/kg	
88-75-5	2-Nitrophenol	ND	180	38	ug/kg	
100-02-7	4-Nitrophenol	ND	360	61	ug/kg	
87-86-5	Pentachlorophenol	ND	360	62	ug/kg	
108-95-2	Phenol	ND	72	38	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	1380	36	10	ug/kg	
208-96-8	Acenaphthylene	150	36	12	ug/kg	
120-12-7	Anthracene	2740	36	13	ug/kg	
56-55-3	Benzo(a)anthracene	5350 ^b	180	59	ug/kg	
50-32-8	Benzo(a)pyrene	3570	36	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	4090 ^b	180	60	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1850	36	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	3640 ^b	180	68	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	958	72	17	ug/kg	
218-01-9	Chrysene	3550	36	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-1S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-1	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	82.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	72	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	72	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	72	9.7	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	72	8.1	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	72	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	72	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	780	36	12	ug/kg	
132-64-9	Dibenzofuran	961	72	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	8.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	18	ug/kg	
84-66-2	Diethyl phthalate	ND	72	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	248	72	32	ug/kg	
206-44-0	Fluoranthene	11700 ^b	180	80	ug/kg	
86-73-7	Fluorene	1540	36	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	720	37	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1880	36	13	ug/kg	
78-59-1	Isophorone	ND	72	9.7	ug/kg	
91-57-6	2-Methylnaphthalene	497	72	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	1250	36	9.9	ug/kg	
98-95-3	Nitrobenzene	ND	72	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	8.8	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	22	ug/kg	
85-01-8	Phenanthrene	11600 ^b	180	82	ug/kg	
129-00-0	Pyrene	9660 ^b	180	69	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	72	9.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	45%	57%	52%	30-109%
4165-62-2	Phenol-d5	45%	59%	48%	28-108%
118-79-6	2,4,6-Tribromophenol	49%	66%	54%	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-1S		
Lab Sample ID:	JA37474-1	Date Sampled:	01/11/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	82.9
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	44%	55%	69%	28-113%
321-60-8	2-Fluorobiphenyl	45%	59%	74%	38-107%
1718-51-0	Terphenyl-d14	47%	72%	70%	31-116%

- (a) Confirmation run.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-24-1S						
Lab Sample ID:	JA37474-1				Date Sampled:	01/11/10	
Matrix:	SO - Soil				Date Received:	01/13/10	
Method:	SW846 8015B				Percent Solids:	82.9	
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV78546.D	1	01/20/10	CY	n/a	n/a	GUV3122
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	14	1.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	85%		66-119%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-1S		
Lab Sample ID:	JA37474-1	Date Sampled:	01/11/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846-8015 SW846 3545	Percent Solids:	82.9
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z20422.D	1	01/20/10	DNM	01/19/10	OP41868	G3Z622
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	558	7.1	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		17-148%
16416-32-3	Tetracosane-d50	80%		29-151%
438-22-2	5a-Androstane	108%		19-161%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-2S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-2	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	86.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164394.D	1	01/22/10	TDN	n/a	n/a	VD6620
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.6 g	10.0 ml	5.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12000	2800	ug/kg	
71-43-2	Benzene	ND	1200	420	ug/kg	
75-27-4	Bromodichloromethane	ND	6200	320	ug/kg	
75-25-2	Bromoform	ND	6200	190	ug/kg	
74-83-9	Bromomethane	ND	6200	500	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12000	2500	ug/kg	
75-15-0	Carbon disulfide	ND	6200	380	ug/kg	
56-23-5	Carbon tetrachloride	ND	6200	690	ug/kg	
108-90-7	Chlorobenzene	ND	6200	420	ug/kg	
75-00-3	Chloroethane	ND	6200	1200	ug/kg	
67-66-3	Chloroform	ND	6200	400	ug/kg	
74-87-3	Chloromethane	ND	6200	210	ug/kg	
124-48-1	Dibromochloromethane	ND	6200	140	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6200	170	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1200	430	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6200	820	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6200	300	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6200	560	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6200	300	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6200	160	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6200	170	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6200	120	ug/kg	
100-41-4	Ethylbenzene	12100	1200	460	ug/kg	
591-78-6	2-Hexanone	ND	6200	1200	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1200	350	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6200	1000	ug/kg	
75-09-2	Methylene chloride	ND	6200	280	ug/kg	
100-42-5	Styrene	ND	6200	130	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6200	360	ug/kg	
127-18-4	Tetrachloroethene	ND	6200	180	ug/kg	
108-88-3	Toluene	1460	1200	360	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6200	160	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-24-2S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-2	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	86.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	6200	230	ug/kg	
79-01-6	Trichloroethene	ND	6200	650	ug/kg	
75-01-4	Vinyl chloride	ND	6200	220	ug/kg	
1330-20-7	Xylene (total)	26300	2500	580	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	106%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	92%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: PI-24-2S
Lab Sample ID: JA37474-2
Matrix: SO - Soil
Method: SW846 8270C SW846 3550B
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 01/11/10

Date Received: 01/13/10

Percent Solids: 86.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F86242.D	1	01/26/10	NAP	01/23/10	OP41931	EF4073
Run #2	F86263.D	20	01/27/10	NAP	01/23/10	OP41931	EF4074
Run #3	F86279.D	1000	01/27/10	NAP	01/23/10	OP41931	EF4074
Run #4 ^a	F86344.D	1	01/29/10	LP	01/28/10	OP42010	EF4077

	Initial Weight	Final Volume
Run #1	33.1 g	1.0 ml
Run #2	33.1 g	1.0 ml
Run #3	33.1 g	1.0 ml
Run #4	10.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	56	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	700	43	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	700	43	ug/kg	
95-48-7	2-Methylphenol	108	70	40	ug/kg	
	3&4-Methylphenol	427	70	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	59	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	169	70	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	217000 ^b	35000	10000	ug/kg	
208-96-8	Acenaphthylene	33600 ^c	700	220	ug/kg	
120-12-7	Anthracene	164000 ^b	35000	12000	ug/kg	
56-55-3	Benzo(a)anthracene	151000 ^b	35000	11000	ug/kg	
50-32-8	Benzo(a)pyrene	143000 ^b	35000	11000	ug/kg	
205-99-2	Benzo(b)fluoranthene	111000 ^b	35000	12000	ug/kg	
191-24-2	Benzo(g,h,i)perylene	34800 ^c	700	260	ug/kg	
207-08-9	Benzo(k)fluoranthene	97200 ^b	35000	13000	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	11	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	46800 ^c	1400	320	ug/kg	
218-01-9	Chrysene	131000 ^b	35000	12000	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-2S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-2	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	86.6
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	70	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	70	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	70	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	70	9.3	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	70	7.8	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	13	ug/kg	
91-94-1	3,3' -Dichlorobenzidine	ND	170	8.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	13900 ^c	700	240	ug/kg	
132-64-9	Dibenzofuran	194000 ^b	70000	10000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	7.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	17	ug/kg	
84-66-2	Diethyl phthalate	ND	70	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	31	ug/kg	
206-44-0	Fluoranthene	370000 ^b	35000	15000	ug/kg	
86-73-7	Fluorene	221000 ^b	35000	11000	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.7	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	36	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.7	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	37500 ^c	700	240	ug/kg	
78-59-1	Isophorone	ND	70	9.4	ug/kg	
91-57-6	2-Methylnaphthalene	247000 ^b	70000	19000	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	14	ug/kg	
91-20-3	Naphthalene	911000 ^b	35000	9500	ug/kg	
98-95-3	Nitrobenzene	ND	70	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	8.5	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	21	ug/kg	
85-01-8	Phenanthrene	639000 ^b	35000	16000	ug/kg	
129-00-0	Pyrene	253000 ^b	35000	13000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	70	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	47%	52%	0% ^d	30-109%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PI-24-2S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-2	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	86.6
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	45%	54%	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	40%	52%	0% ^d	28-125%
4165-60-0	Nitrobenzene-d5	61%	58%	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	44%	61%	0% ^d	38-107%
1718-51-0	Terphenyl-d14	49%	106%	0% ^d	31-116%

- (a) Confirmation run.
 (b) Result is from Run# 3
 (c) Result is from Run# 2
 (d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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J = Indicates an estimated value
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 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-24-2S	
Lab Sample ID:	JA37474-2	Date Sampled: 01/11/10
Matrix:	SO - Soil	Date Received: 01/13/10
Method:	SW846 8015B	Percent Solids: 86.6
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	UV78582.D	1	01/21/10	CY	n/a	n/a	GUV3123
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	20.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	600	65	6.2	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	89%		66-119%		

(a) Dilution required due to sample matrix (turbidity).

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 RL = Reporting Limit
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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-2S		
Lab Sample ID:	JA37474-2	Date Sampled:	01/11/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846-8015 SW846 3545	Percent Solids:	86.6
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z20518.D	10	01/23/10	DNM	01/19/10	OP41868	G3Z625
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	17600	68	34	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	110%		17-148%
16416-32-3	Tetracosane-d50	108%		29-151%
438-22-2	5a-Androstane	737% ^a		19-161%

(a) Outside control limits due to matrix interference.

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 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-24-S1	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-3	Date Received:	01/13/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B65847.D	2	01/23/10	MFH	n/a	n/a	V2B2934
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	5.7	ug/l	J
71-43-2	Benzene	1.3	2.0	0.47	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.44	ug/l	
75-25-2	Bromoform	ND	8.0	0.46	ug/l	
74-83-9	Bromomethane	ND	4.0	0.59	ug/l	
78-93-3	2-Butanone (MEK)	ND	20	3.2	ug/l	
75-15-0	Carbon disulfide	ND	4.0	1.5	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.51	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.78	ug/l	
75-00-3	Chloroethane	ND	2.0	0.74	ug/l	
67-66-3	Chloroform	ND	2.0	0.47	ug/l	
74-87-3	Chloromethane	ND	2.0	0.58	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.67	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	0.79	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.43	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.50	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.43	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.55	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.43	ug/l	
100-41-4	Ethylbenzene	247	2.0	0.54	ug/l	
591-78-6	2-Hexanone	ND	10	2.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.47	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	10	1.7	ug/l	
75-09-2	Methylene chloride	ND	4.0	0.61	ug/l	
100-42-5	Styrene	ND	10	1.2	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.48	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.53	ug/l	
108-88-3	Toluene	7.5	2.0	0.60	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.51	ug/l	

ND = Not detected MDL - Method Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-24-S1	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-3	Date Received:	01/13/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.46	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.48	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.89	ug/l	
1330-20-7	Xylene (total)	1080	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		76-120%
17060-07-0	1,2-Dichloroethane-D4	110%		64-135%
2037-26-5	Toluene-D8	103%		76-117%
460-00-4	4-Bromofluorobenzene	103%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

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 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-24-S1	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-3	Date Received:	01/13/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70561.D	1	01/22/10	LP	01/15/10	OP41838	EM2662
Run #2	M70602.D	20	01/23/10	LP	01/15/10	OP41838	EM2664
Run #3	M70654.D	100	01/26/10	LP	01/15/10	OP41838	EM2666

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	10.1	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	4.5	2.0	1.1	ug/l	
	3&4-Methylphenol	13.5	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	507 ^a	20	7.3	ug/l	
208-96-8	Acenaphthylene	20.6	1.0	0.27	ug/l	
120-12-7	Anthracene	217 ^a	20	3.2	ug/l	
56-55-3	Benzo(a)anthracene	48.7	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	36.4	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	24.9	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	15.9	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	25.1	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	152 ^a	40	3.3	ug/l	
218-01-9	Chrysene	42.9	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-S1	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-3	Date Received:	01/13/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	7.0	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	492 ^a	100	6.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	178 ^a	20	3.4	ug/l	
86-73-7	Fluorene	442 ^a	20	5.3	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	15.1	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	1470 ^a	40	13	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	7360 ^b	100	43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	757 ^a	20	4.2	ug/l	
129-00-0	Pyrene	141 ^a	20	3.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	59%	61%	0% ^c	13-68%
4165-62-2	Phenol-d5	47%	49%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	92%	85%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-S1	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-3	Date Received:	01/13/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	52%	79%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	69%	74%	0% ^c	31-106%
1718-51-0	Terphenyl-d14	70%	72%	0% ^c	14-122%

- (a) Result is from Run# 2
(b) Result is from Run# 3
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-24-S1	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-3	Date Received:	01/13/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8015B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM44233.D	1	01/19/10	AVM	n/a	n/a	GLM1731
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	7.36	0.20	0.032	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	107%		68-114%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-24-S1		
Lab Sample ID:	JA37474-3	Date Sampled:	01/11/10
Matrix:	AQ - Ground Water	Date Received:	01/13/10
Method:	SW846-8015 SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZZ57594.D	10	01/19/10	DNM	01/15/10	OP41840	GZZ1896
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	64.8	1.0	0.39	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	138%		34-139%
16416-32-3	Tetracosane-d50	78%		34-141%
438-22-2	5a-Androstane	130%		26-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-24-3S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-4	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164410.D	1	01/22/10	TDN	n/a	n/a	VD6621
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.3 g	10.0 ml	50.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1400	310	ug/kg	
71-43-2	Benzene	82.9	140	47	ug/kg	J
75-27-4	Bromodichloromethane	ND	690	35	ug/kg	
75-25-2	Bromoform	ND	690	21	ug/kg	
74-83-9	Bromomethane	ND	690	56	ug/kg	
78-93-3	2-Butanone (MEK)	ND	1400	270	ug/kg	
75-15-0	Carbon disulfide	ND	690	42	ug/kg	
56-23-5	Carbon tetrachloride	ND	690	76	ug/kg	
108-90-7	Chlorobenzene	ND	690	47	ug/kg	
75-00-3	Chloroethane	ND	690	140	ug/kg	
67-66-3	Chloroform	ND	690	44	ug/kg	
74-87-3	Chloromethane	ND	690	23	ug/kg	
124-48-1	Dibromochloromethane	ND	690	15	ug/kg	
75-34-3	1,1-Dichloroethane	ND	690	19	ug/kg	
107-06-2	1,2-Dichloroethane	ND	140	47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	690	91	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	690	33	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	690	62	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	690	33	ug/kg	
78-87-5	1,2-Dichloropropane	ND	690	18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	690	18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	690	13	ug/kg	
100-41-4	Ethylbenzene	89.3	140	51	ug/kg	J
591-78-6	2-Hexanone	ND	690	130	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	140	39	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	690	110	ug/kg	
75-09-2	Methylene chloride	ND	690	31	ug/kg	
100-42-5	Styrene	ND	690	15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	690	40	ug/kg	
127-18-4	Tetrachloroethene	ND	690	20	ug/kg	
108-88-3	Toluene	230	140	40	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	690	18	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-24-3S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-4	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	690	25	ug/kg	
79-01-6	Trichloroethene	ND	690	72	ug/kg	
75-01-4	Vinyl chloride	ND	690	24	ug/kg	
1330-20-7	Xylene (total)	1300	270	64	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-127%
17060-07-0	1,2-Dichloroethane-D4	102%		65-132%
2037-26-5	Toluene-D8	90%		74-129%
460-00-4	4-Bromofluorobenzene	112%		62-138%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-24-3S		
Lab Sample ID:	JA37474-4	Date Sampled:	01/11/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	83.0
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F86243.D	1	01/26/10	NAP	01/23/10	OP41931	EF4073
Run #2	F86264.D	50	01/27/10	NAP	01/23/10	OP41931	EF4074

	Initial Weight	Final Volume
Run #1	33.4 g	1.0 ml
Run #2	33.4 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	58	ug/kg	
105-67-9	2,4-Dimethylphenol	196	180	61	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	720	44	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	720	44	ug/kg	
95-48-7	2-Methylphenol	158	72	41	ug/kg	
	3&4-Methylphenol	492	72	46	ug/kg	
88-75-5	2-Nitrophenol	ND	180	38	ug/kg	
100-02-7	4-Nitrophenol	ND	360	61	ug/kg	
87-86-5	Pentachlorophenol	ND	360	62	ug/kg	
108-95-2	Phenol	269	72	38	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	10900 ^a	1800	520	ug/kg	
208-96-8	Acenaphthylene	6070 ^a	1800	580	ug/kg	
120-12-7	Anthracene	16100 ^a	1800	630	ug/kg	
56-55-3	Benzo(a)anthracene	31900 ^a	1800	590	ug/kg	
50-32-8	Benzo(a)pyrene	29600 ^a	1800	550	ug/kg	
205-99-2	Benzo(b)fluoranthene	20900 ^a	1800	600	ug/kg	
191-24-2	Benzo(g,h,i)perylene	11700 ^a	1800	670	ug/kg	
207-08-9	Benzo(k)fluoranthene	23300 ^a	1800	680	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	2380	72	17	ug/kg	
218-01-9	Chrysene	27900 ^a	1800	610	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	72	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-3S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-4	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	72	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	72	9.7	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	72	8.0	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	72	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	72	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	5450 ^a	1800	620	ug/kg	
132-64-9	Dibenzofuran	9580 ^a	3600	540	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	8.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	18	ug/kg	
84-66-2	Diethyl phthalate	ND	72	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	72	32	ug/kg	
206-44-0	Fluoranthene	49100 ^a	1800	800	ug/kg	
86-73-7	Fluorene	17600 ^a	1800	590	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	720	37	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	11100 ^a	1800	630	ug/kg	
78-59-1	Isophorone	ND	72	9.7	ug/kg	
91-57-6	2-Methylnaphthalene	2200	72	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	6840 ^a	1800	490	ug/kg	
98-95-3	Nitrobenzene	ND	72	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	8.8	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	22	ug/kg	
85-01-8	Phenanthrene	43300 ^a	1800	820	ug/kg	
129-00-0	Pyrene	46300 ^a	1800	690	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	72	9.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%	40%	30-109%
4165-62-2	Phenol-d5	41%	38%	28-108%
118-79-6	2,4,6-Tribromophenol	30%	50%	28-125%
4165-60-0	Nitrobenzene-d5	41%	41%	28-113%
321-60-8	2-Fluorobiphenyl	40%	47%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-3S		
Lab Sample ID:	JA37474-4	Date Sampled:	01/11/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	83.0
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	37%	91%	31-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-3S	
Lab Sample ID:	JA37474-4	Date Sampled: 01/11/10
Matrix:	SO - Soil	Date Received: 01/13/10
Method:	SW846 8015B	Percent Solids: 83.0
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	UV78636.D	1	01/22/10	CY	n/a	n/a	GUV3124
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	50.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	41.7	28	2.7	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	89%		66-119%		

(a) Dilution required due to sample matrix (turbidity).

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-24-3S		
Lab Sample ID:	JA37474-4	Date Sampled:	01/11/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846-8015 SW846 3545	Percent Solids:	83.0
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z20519.D	10	01/23/10	DNM	01/19/10	OP41868	G3Z625
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	13800	70	35	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	95%		17-148%
16416-32-3	Tetracosane-d50	111%		29-151%
438-22-2	5a-Androstane	92%		19-161%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-24-4S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-5	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	84.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D164415.D	1	01/22/10	TDN	n/a	n/a	VD6621
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.5 g	10.0 ml	5.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13000	2900	ug/kg	
71-43-2	Benzene	93000	1300	450	ug/kg	
75-27-4	Bromodichloromethane	ND	6600	340	ug/kg	
75-25-2	Bromoform	ND	6600	200	ug/kg	
74-83-9	Bromomethane	ND	6600	530	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13000	2600	ug/kg	
75-15-0	Carbon disulfide	ND	6600	400	ug/kg	
56-23-5	Carbon tetrachloride	ND	6600	730	ug/kg	
108-90-7	Chlorobenzene	ND	6600	450	ug/kg	
75-00-3	Chloroethane	ND	6600	1300	ug/kg	
67-66-3	Chloroform	ND	6600	420	ug/kg	
74-87-3	Chloromethane	ND	6600	220	ug/kg	
124-48-1	Dibromochloromethane	ND	6600	140	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6600	180	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1300	450	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6600	870	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6600	310	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6600	590	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6600	310	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6600	170	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6600	180	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6600	130	ug/kg	
100-41-4	Ethylbenzene	47000	1300	490	ug/kg	
591-78-6	2-Hexanone	ND	6600	1300	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1300	370	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6600	1100	ug/kg	
75-09-2	Methylene chloride	ND	6600	290	ug/kg	
100-42-5	Styrene	40300	6600	140	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6600	390	ug/kg	
127-18-4	Tetrachloroethene	ND	6600	190	ug/kg	
108-88-3	Toluene	186000	1300	380	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6600	170	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-24-4S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-5	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	84.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	6600	240	ug/kg	
79-01-6	Trichloroethene	ND	6600	690	ug/kg	
75-01-4	Vinyl chloride	ND	6600	230	ug/kg	
1330-20-7	Xylene (total)	405000	2600	620	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	105%		65-132%
2037-26-5	Toluene-D8	91%		74-129%
460-00-4	4-Bromofluorobenzene	90%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-24-4S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-5	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	84.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	F86247.D	10	01/26/10	NAP	01/23/10	OP41931	EF4073
Run #2	F86268.D	50	01/27/10	NAP	01/23/10	OP41931	EF4074
Run #3	F86296.D	2000	01/28/10	NAP	01/23/10	OP41931	EF4075
Run #4 ^b	F86346.D	1	01/29/10	LP	01/28/10	OP42010	EF4077

	Initial Weight	Final Volume
Run #1	33.2 g	1.0 ml
Run #2	33.2 g	1.0 ml
Run #3	33.2 g	1.0 ml
Run #4	10.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1800	360	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	1800	360	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	1800	580	ug/kg	
105-67-9	2,4-Dimethylphenol	80000 ^c	8900	3000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	7100	440	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	7100	440	ug/kg	
95-48-7	2-Methylphenol	54400 ^c	3600	2000	ug/kg	
	3&4-Methylphenol	138000 ^c	3600	2300	ug/kg	
88-75-5	2-Nitrophenol	ND	1800	380	ug/kg	
100-02-7	4-Nitrophenol	ND	3600	600	ug/kg	
87-86-5	Pentachlorophenol	ND	3600	610	ug/kg	
108-95-2	Phenol	58900 ^c	3600	1900	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	1800	410	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	1800	340	ug/kg	
83-32-9	Acenaphthene	125000 ^c	1800	520	ug/kg	
208-96-8	Acenaphthylene	112000 ^c	1800	570	ug/kg	
120-12-7	Anthracene	178000 ^c	1800	630	ug/kg	
56-55-3	Benzo(a)anthracene	168000 ^c	1800	580	ug/kg	
50-32-8	Benzo(a)pyrene	174000 ^c	1800	540	ug/kg	
205-99-2	Benzo(b)fluoranthene	151000 ^c	1800	600	ug/kg	
191-24-2	Benzo(g,h,i)perylene	96500 ^c	1800	660	ug/kg	
207-08-9	Benzo(k)fluoranthene	74500 ^c	1800	670	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	710	130	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	710	210	ug/kg	
91-58-7	2-Chloronaphthalene	ND	710	110	ug/kg	
106-47-8	4-Chloroaniline	ND	1800	110	ug/kg	
86-74-8	Carbazole	94500 ^c	3600	830	ug/kg	
218-01-9	Chrysene	147000 ^c	1800	600	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-4S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-5	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	84.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	710	140	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	710	110	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	710	110	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	710	110	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	710	100	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	710	96	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	710	80	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	710	160	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	710	140	ug/kg	
91-94-1	3,3' -Dichlorobenzidine	ND	1800	91	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	33100	360	120	ug/kg	
132-64-9	Dibenzofuran	236000 d	140000	21000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	710	79	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	710	170	ug/kg	
84-66-2	Diethyl phthalate	ND	710	120	ug/kg	
131-11-3	Dimethyl phthalate	ND	710	130	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	710	320	ug/kg	
206-44-0	Fluoranthene	560000 d	71000	32000	ug/kg	
86-73-7	Fluorene	297000 d	71000	23000	ug/kg	
118-74-1	Hexachlorobenzene	ND	710	120	ug/kg	
87-68-3	Hexachlorobutadiene	ND	360	99	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	7100	360	ug/kg	
67-72-1	Hexachloroethane	ND	1800	99	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	83600 c	1800	620	ug/kg	
78-59-1	Isophorone	ND	710	96	ug/kg	
91-57-6	2-Methylnaphthalene	561000 d	140000	40000	ug/kg	
88-74-4	2-Nitroaniline	ND	1800	160	ug/kg	
99-09-2	3-Nitroaniline	ND	1800	140	ug/kg	
100-01-6	4-Nitroaniline	ND	1800	140	ug/kg	
91-20-3	Naphthalene	4080000 d	71000	20000	ug/kg	
98-95-3	Nitrobenzene	ND	710	100	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	710	87	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1800	210	ug/kg	
85-01-8	Phenanthrene	1050000 d	71000	33000	ug/kg	
129-00-0	Pyrene	481000 d	71000	27000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	710	95	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	90%	78%	0% e	30-109%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PI-24-4S		
Lab Sample ID:	JA37474-5	Date Sampled:	01/11/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	84.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	79%	76%	0% ^e	28-108%
118-79-6	2,4,6-Tribromophenol	53%	51%	0% ^e	28-125%
4165-60-0	Nitrobenzene-d5	101%	93%	0% ^e	28-113%
321-60-8	2-Fluorobiphenyl	86%	84%	0% ^e	38-107%
1718-51-0	Terphenyl-d14	56%	0% ^e	0% ^e	31-116%

(a) Diluted due to high concentration of target compound and matrix interference.

(b) Confirmation run.

(c) Result is from Run# 2

(d) Result is from Run# 3

(e) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-4S		
Lab Sample ID:	JA37474-5	Date Sampled:	01/11/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846 8015B	Percent Solids:	84.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	UV78606.D	1	01/22/10	CY	n/a	n/a	GUV3123
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	20.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	4420	69	6.5	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	99%		66-119%		

(a) Dilution required due to sample matrix (turbidity).

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-24-4S		
Lab Sample ID:	JA37474-5	Date Sampled:	01/11/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846-8015 SW846 3545	Percent Solids:	84.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z20520.D	10	01/23/10	DNM	01/19/10	OP41868	G3Z625
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	10500	69	34	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	154% ^a		17-148%		
16416-32-3	Tetracosane-d50	137%		29-151%		
438-22-2	5a-Androstane	99%		19-161%		

(a) Outside control limits due to matrix interference.

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J = Indicates an estimated value
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Report of Analysis

Page 1 of 2

Client Sample ID:	PI-24-5S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-6	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	82.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A155413.D	1	01/25/10	OTR	n/a	n/a	VA5648
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.1	12	2.7	ug/kg	J
71-43-2	Benzene	ND	1.2	0.41	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	0.31	ug/kg	
75-25-2	Bromoform	ND	6.1	0.18	ug/kg	
74-83-9	Bromomethane	ND	6.1	0.49	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.4	ug/kg	
75-15-0	Carbon disulfide	0.66	6.1	0.37	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.1	0.67	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	0.41	ug/kg	
75-00-3	Chloroethane	ND	6.1	1.2	ug/kg	
67-66-3	Chloroform	ND	6.1	0.38	ug/kg	
74-87-3	Chloromethane	ND	6.1	0.20	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	0.13	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.42	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.1	0.80	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.1	0.29	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.1	0.54	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6.1	0.29	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	0.12	ug/kg	
100-41-4	Ethylbenzene	0.51	1.2	0.45	ug/kg	J
591-78-6	2-Hexanone	ND	6.1	1.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	0.42	1.2	0.34	ug/kg	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.1	0.98	ug/kg	
75-09-2	Methylene chloride	ND	6.1	0.27	ug/kg	
100-42-5	Styrene	ND	6.1	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	0.35	ug/kg	
127-18-4	Tetrachloroethene	ND	6.1	0.18	ug/kg	
108-88-3	Toluene	0.41	1.2	0.35	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	6.1	0.15	ug/kg	

ND = Not detected MDL - Method Detection Limit

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E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-24-5S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-6	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	82.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	6.1	0.22	ug/kg	
79-01-6	Trichloroethene	ND	6.1	0.64	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	0.22	ug/kg	
1330-20-7	Xylene (total)	1.3	2.4	0.57	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		67-127%
17060-07-0	1,2-Dichloroethane-D4	89%		65-132%
2037-26-5	Toluene-D8	101%		74-129%
460-00-4	4-Bromofluorobenzene	96%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PI-24-5S
Lab Sample ID: JA37474-6
Matrix: SO - Soil
Method: SW846 8270C SW846 3550B
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 01/11/10

Date Received: 01/13/10

Percent Solids: 82.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F86227.D	1	01/25/10	NAP	01/23/10	OP41931	EF4072
Run #2	F86256.D	2	01/26/10	NAP	01/23/10	OP41931	EF4073
Run #3 ^a	F86342.D	1	01/29/10	LP	01/28/10	OP42010	EF4077

	Initial Weight	Final Volume
Run #1	33.4 g	1.0 ml
Run #2	33.4 g	1.0 ml
Run #3	10.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	37	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	58	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	61	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	720	44	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	720	44	ug/kg	
95-48-7	2-Methylphenol	ND	72	41	ug/kg	
	3&4-Methylphenol	77.3	72	46	ug/kg	
88-75-5	2-Nitrophenol	ND	180	38	ug/kg	
100-02-7	4-Nitrophenol	ND	360	61	ug/kg	
87-86-5	Pentachlorophenol	ND	360	62	ug/kg	
108-95-2	Phenol	54.2	72	38	ug/kg	J
95-95-4	2,4,5-Trichlorophenol	ND	180	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	1340	36	11	ug/kg	
208-96-8	Acenaphthylene	46.4	36	12	ug/kg	
120-12-7	Anthracene	2200	36	13	ug/kg	
56-55-3	Benzo(a)anthracene	210	36	12	ug/kg	
50-32-8	Benzo(a)pyrene	101	36	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	86.3	36	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	941	36	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	83.0	36	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	1390	72	17	ug/kg	
218-01-9	Chrysene	153	36	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-5S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-6	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	82.6
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	72	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	72	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	72	9.7	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	72	8.1	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	72	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	72	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	271	36	12	ug/kg	
132-64-9	Dibenzofuran	1790	72	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	8.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	18	ug/kg	
84-66-2	Diethyl phthalate	ND	72	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	80.7	72	32	ug/kg	
206-44-0	Fluoranthene	1010	36	16	ug/kg	
86-73-7	Fluorene	5460 ^b	72	24	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	720	37	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	861	36	13	ug/kg	
78-59-1	Isophorone	ND	72	9.8	ug/kg	
91-57-6	2-Methylnaphthalene	355	72	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	4840 ^b	72	20	ug/kg	
98-95-3	Nitrobenzene	ND	72	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	8.8	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	22	ug/kg	
85-01-8	Phenanthrene	4330 ^b	72	33	ug/kg	
129-00-0	Pyrene	906	36	14	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	72	9.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	41%	46%	63%	30-109%
4165-62-2	Phenol-d5	43%	47%	62%	28-108%
118-79-6	2,4,6-Tribromophenol	51%	56%	64%	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-5S		
Lab Sample ID:	JA37474-6	Date Sampled:	01/11/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	82.6
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	40%	45%	80%	28-113%
321-60-8	2-Fluorobiphenyl	45%	53%	86%	38-107%
1718-51-0	Terphenyl-d14	52%	56%	88%	31-116%

- (a) Confirmation run.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-24-5S						
Lab Sample ID:	JA37474-6				Date Sampled:	01/11/10	
Matrix:	SO - Soil				Date Received:	01/13/10	
Method:	SW846 8015B				Percent Solids:	82.6	
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV78547.D	1	01/20/10	CY	n/a	n/a	GUV3122
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	14	1.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	86%		66-119%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-24-5S	
Lab Sample ID:	JA37474-6	Date Sampled: 01/11/10
Matrix:	SO - Soil	Date Received: 01/13/10
Method:	SW846-8015 SW846 3545	Percent Solids: 82.6
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z20426.D	1	01/20/10	DNM	01/19/10	OP41868	G3Z622
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	111	7.0	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	99%		17-148%
16416-32-3	Tetracosane-d50	91%		29-151%
438-22-2	5a-Androstane	89%		19-161%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-24-6S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-7	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	72.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164409.D	1	01/22/10	TDN	n/a	n/a	VD6621
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.4 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	850	190	ug/kg	
71-43-2	Benzene	420	85	29	ug/kg	
75-27-4	Bromodichloromethane	ND	420	22	ug/kg	
75-25-2	Bromoform	ND	420	13	ug/kg	
74-83-9	Bromomethane	ND	420	34	ug/kg	
78-93-3	2-Butanone (MEK)	ND	850	170	ug/kg	
75-15-0	Carbon disulfide	ND	420	26	ug/kg	
56-23-5	Carbon tetrachloride	ND	420	47	ug/kg	
108-90-7	Chlorobenzene	ND	420	29	ug/kg	
75-00-3	Chloroethane	ND	420	85	ug/kg	
67-66-3	Chloroform	ND	420	27	ug/kg	
74-87-3	Chloromethane	ND	420	14	ug/kg	
124-48-1	Dibromochloromethane	ND	420	9.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	420	12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	85	29	ug/kg	
75-35-4	1,1-Dichloroethene	ND	420	56	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	420	20	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	420	38	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	420	20	ug/kg	
78-87-5	1,2-Dichloropropane	ND	420	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	420	11	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	420	8.2	ug/kg	
100-41-4	Ethylbenzene	230	85	32	ug/kg	
591-78-6	2-Hexanone	ND	420	82	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	85	24	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	420	69	ug/kg	
75-09-2	Methylene chloride	ND	420	19	ug/kg	
100-42-5	Styrene	315	420	9.1	ug/kg	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	420	25	ug/kg	
127-18-4	Tetrachloroethene	ND	420	12	ug/kg	
108-88-3	Toluene	1150	85	25	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	420	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-24-6S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-7	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	72.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	420	16	ug/kg	
79-01-6	Trichloroethene	ND	420	45	ug/kg	
75-01-4	Vinyl chloride	ND	420	15	ug/kg	
1330-20-7	Xylene (total)	3090	170	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		67-127%
17060-07-0	1,2-Dichloroethane-D4	104%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	92%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-24-6S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-7	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	72.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F86244.D	1	01/26/10	NAP	01/23/10	OP41931	EF4073
Run #2	F86265.D	20	01/27/10	NAP	01/23/10	OP41931	EF4074
Run #3	F86280.D	1000	01/27/10	NAP	01/23/10	OP41931	EF4074
Run #4 ^a	F86347.D	1	01/29/10	LP	01/28/10	OP42010	EF4077

	Initial Weight	Final Volume
Run #1	33.4 g	1.0 ml
Run #2	33.4 g	1.0 ml
Run #3	33.4 g	1.0 ml
Run #4	10.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	210	42	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	41	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	66	ug/kg	
105-67-9	2,4-Dimethylphenol	2060	210	69	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	820	50	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	820	50	ug/kg	
95-48-7	2-Methylphenol	671	82	47	ug/kg	
	3&4-Methylphenol	1510	82	52	ug/kg	
88-75-5	2-Nitrophenol	ND	210	44	ug/kg	
100-02-7	4-Nitrophenol	ND	410	70	ug/kg	
87-86-5	Pentachlorophenol	ND	410	70	ug/kg	
108-95-2	Phenol	538	82	43	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	48	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	39	ug/kg	
83-32-9	Acenaphthene	28900 ^b	820	240	ug/kg	
208-96-8	Acenaphthylene	44000 ^b	820	260	ug/kg	
120-12-7	Anthracene	64500 ^b	820	290	ug/kg	
56-55-3	Benzo(a)anthracene	80800 ^b	820	270	ug/kg	
50-32-8	Benzo(a)pyrene	115000 ^c	41000	13000	ug/kg	
205-99-2	Benzo(b)fluoranthene	90000 ^c	41000	14000	ug/kg	
191-24-2	Benzo(g,h,i)perylene	49700 ^b	820	310	ug/kg	
207-08-9	Benzo(k)fluoranthene	72600 ^c	41000	15000	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	82	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	82	24	ug/kg	
91-58-7	2-Chloronaphthalene	ND	82	13	ug/kg	
106-47-8	4-Chloroaniline	ND	210	13	ug/kg	
86-74-8	Carbazole	28500 ^b	1600	380	ug/kg	
218-01-9	Chrysene	71600 ^b	820	280	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-6S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-7	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	72.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	82	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	82	12	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	82	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	82	12	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	82	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	82	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	82	9.2	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	82	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	82	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	210	10	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	17100 ^b	820	280	ug/kg	
132-64-9	Dibenzofuran	51700 ^b	1600	240	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	82	9.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	82	20	ug/kg	
84-66-2	Diethyl phthalate	ND	82	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	82	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	82	36	ug/kg	
206-44-0	Fluoranthene	186000 ^c	41000	18000	ug/kg	
86-73-7	Fluorene	62600 ^b	820	270	ug/kg	
118-74-1	Hexachlorobenzene	ND	82	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	41	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	820	42	ug/kg	
67-72-1	Hexachloroethane	ND	210	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	43800 ^b	820	290	ug/kg	
78-59-1	Isophorone	ND	82	11	ug/kg	
91-57-6	2-Methylnaphthalene	71700 ^b	1600	460	ug/kg	
88-74-4	2-Nitroaniline	ND	210	18	ug/kg	
99-09-2	3-Nitroaniline	ND	210	16	ug/kg	
100-01-6	4-Nitroaniline	ND	210	16	ug/kg	
91-20-3	Naphthalene	307000 ^c	41000	11000	ug/kg	
98-95-3	Nitrobenzene	ND	82	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	82	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	25	ug/kg	
85-01-8	Phenanthrene	239000 ^c	41000	19000	ug/kg	
129-00-0	Pyrene	156000 ^c	41000	16000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	82	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	58%	51%	0% ^d	30-109%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PI-24-6S		
Lab Sample ID:	JA37474-7	Date Sampled:	01/11/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	72.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	57%	53%	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	44%	57%	0% ^d	28-125%
4165-60-0	Nitrobenzene-d5	67%	52%	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	63%	57%	0% ^d	38-107%
1718-51-0	Terphenyl-d14	53%	86%	0% ^d	31-116%

- (a) Confirmation run.
 (b) Result is from Run# 2
 (c) Result is from Run# 3
 (d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-24-6S	Date Sampled:	01/11/10
Lab Sample ID:	JA37474-7	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	72.7
Method:	SW846 8015B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV78548.D	1	01/20/10	CY	n/a	n/a	GUV3122
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	18	1.7	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	87%		66-119%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-24-6S		
Lab Sample ID:	JA37474-7	Date Sampled:	01/11/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846-8015 SW846 3545	Percent Solids:	72.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z20427.D	1	01/20/10	DNM	01/19/10	OP41868	G3Z622
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	1280	8.0	4.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	101%		17-148%
16416-32-3	Tetracosane-d50	144%		29-151%
438-22-2	5a-Androstane	113%		19-161%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-24-7S	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-8	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	82.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V99139.D	1	01/23/10	JLI	n/a	n/a	VV4135
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	14.4	13	3.0	ug/kg	
71-43-2	Benzene	6.0	1.3	0.46	ug/kg	
75-27-4	Bromodichloromethane	ND	6.7	0.35	ug/kg	
75-25-2	Bromoform	ND	6.7	0.20	ug/kg	
74-83-9	Bromomethane	ND	6.7	0.54	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.7	ug/kg	
75-15-0	Carbon disulfide	2.0	6.7	0.41	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.7	0.75	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	0.46	ug/kg	
75-00-3	Chloroethane	ND	6.7	1.3	ug/kg	
67-66-3	Chloroform	ND	6.7	0.43	ug/kg	
74-87-3	Chloromethane	ND	6.7	0.22	ug/kg	
124-48-1	Dibromochloromethane	ND	6.7	0.15	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	0.19	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.7	0.89	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.7	0.32	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.7	0.61	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6.7	0.32	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.7	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.7	0.13	ug/kg	
100-41-4	Ethylbenzene	2.1	1.3	0.50	ug/kg	
591-78-6	2-Hexanone	ND	6.7	1.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.38	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.7	1.1	ug/kg	
75-09-2	Methylene chloride	ND	6.7	0.30	ug/kg	
100-42-5	Styrene	0.73	6.7	0.14	ug/kg	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.7	0.40	ug/kg	
127-18-4	Tetrachloroethene	ND	6.7	0.20	ug/kg	
108-88-3	Toluene	7.4	1.3	0.39	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	0.17	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-24-7S	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-8	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	82.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	6.7	0.25	ug/kg	
79-01-6	Trichloroethene	ND	6.7	0.71	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	0.24	ug/kg	
1330-20-7	Xylene (total)	16.3	2.7	0.63	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		67-127%
17060-07-0	1,2-Dichloroethane-D4	83%		65-132%
2037-26-5	Toluene-D8	94%		74-129%
460-00-4	4-Bromofluorobenzene	76%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-24-7S	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-8	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	82.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F86245.D	1	01/26/10	NAP	01/23/10	OP41931	EF4073
Run #2	F86266.D	20	01/27/10	NAP	01/23/10	OP41931	EF4074
Run #3	F86281.D	1000	01/27/10	NAP	01/23/10	OP41931	EF4074
Run #4 ^a	F86348.D	1	01/29/10	LP	01/28/10	OP42010	EF4077

	Initial Weight	Final Volume
Run #1	33.3 g	1.0 ml
Run #2	33.3 g	1.0 ml
Run #3	33.3 g	1.0 ml
Run #4	10.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	37	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	59	ug/kg	
105-67-9	2,4-Dimethylphenol	416	180	61	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	730	44	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	730	44	ug/kg	
95-48-7	2-Methylphenol	288	73	42	ug/kg	
	3&4-Methylphenol	707	73	46	ug/kg	
88-75-5	2-Nitrophenol	ND	180	39	ug/kg	
100-02-7	4-Nitrophenol	ND	360	62	ug/kg	
87-86-5	Pentachlorophenol	ND	360	62	ug/kg	
108-95-2	Phenol	421	73	38	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	35500 ^b	730	210	ug/kg	
208-96-8	Acenaphthylene	43100 ^b	730	230	ug/kg	
120-12-7	Anthracene	117000 ^c	36000	13000	ug/kg	
56-55-3	Benzo(a)anthracene	122000 ^c	36000	12000	ug/kg	
50-32-8	Benzo(a)pyrene	134000 ^c	36000	11000	ug/kg	
205-99-2	Benzo(b)fluoranthene	104000 ^c	36000	12000	ug/kg	
191-24-2	Benzo(g,h,i)perylene	55100 ^b	730	270	ug/kg	
207-08-9	Benzo(k)fluoranthene	85900 ^c	36000	14000	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	10600 ^b	1500	340	ug/kg	
218-01-9	Chrysene	112000 ^c	36000	12000	ug/kg	

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Report of Analysis

Client Sample ID:	PI-24-7S	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-8	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	82.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	73	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	73	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	73	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	73	9.8	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	73	8.1	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	73	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	73	14	ug/kg	
91-94-1	3,3' -Dichlorobenzidine	ND	180	9.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	18700 ^b	730	250	ug/kg	
132-64-9	Dibenzofuran	15200 ^b	1500	220	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	8.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	18	ug/kg	
84-66-2	Diethyl phthalate	ND	73	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	73	32	ug/kg	
206-44-0	Fluoranthene	322000 ^c	36000	16000	ug/kg	
86-73-7	Fluorene	17000 ^b	730	240	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	730	37	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	53600 ^b	730	250	ug/kg	
78-59-1	Isophorone	ND	73	9.8	ug/kg	
91-57-6	2-Methylnaphthalene	2660	73	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	15	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	18500 ^b	730	200	ug/kg	
98-95-3	Nitrobenzene	ND	73	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	8.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	22	ug/kg	
85-01-8	Phenanthrene	294000 ^c	36000	17000	ug/kg	
129-00-0	Pyrene	236000 ^c	36000	14000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	73	9.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	54%	47%	0% ^d	30-109%

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Report of Analysis

Page 3 of 3

Client Sample ID:	PI-24-7S		
Lab Sample ID:	JA37474-8	Date Sampled:	01/12/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	82.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	54%	49%	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	34%	48%	0% ^d	28-125%
4165-60-0	Nitrobenzene-d5	52%	50%	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	55%	55%	0% ^d	38-107%
1718-51-0	Terphenyl-d14	50%	85%	0% ^d	31-116%

- (a) Confirmation run.
 (b) Result is from Run# 2
 (c) Result is from Run# 3
 (d) Outside control limits due to dilution.

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Report of Analysis

Page 1 of 1

Client Sample ID:	PI-24-7S	
Lab Sample ID:	JA37474-8	Date Sampled: 01/12/10
Matrix:	SO - Soil	Date Received: 01/13/10
Method:	SW846 8015B	Percent Solids: 82.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV78573.D	1	01/21/10	CY	n/a	n/a	GUV3122
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	93.9	14	1.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	88%		66-119%

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 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-24-7S		
Lab Sample ID:	JA37474-8	Date Sampled:	01/12/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846-8015 SW846 3545	Percent Solids:	82.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z20428.D	1	01/20/10	DNM	01/19/10	OP41868	G3Z622
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	2490	7.1	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	140%		17-148%
16416-32-3	Tetracosane-d50	125%		29-151%
438-22-2	5a-Androstane	54%		19-161%

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Report of Analysis

Page 1 of 2

Client Sample ID:	PI-24-S2	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-9	Date Received:	01/13/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2B65885.D	1	01/25/10	MFH	n/a	n/a	V2B2937
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	30.7	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	12.6	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	29.8	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

ND = Not detected MDL - Method Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-24-S2	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-9	Date Received:	01/13/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	57.5	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		76-120%
17060-07-0	1,2-Dichloroethane-D4	105%		64-135%
2037-26-5	Toluene-D8	101%		76-117%
460-00-4	4-Bromofluorobenzene	101%		72-122%

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Report of Analysis

Page 1 of 3

Client Sample ID: PI-24-S2
Lab Sample ID: JA37474-9
Matrix: AQ - Ground Water
Method: SW846 8270C SW846 3510C
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 01/12/10

Date Received: 01/13/10

Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70610.D	1	01/23/10	LP	01/15/10	OP41838	EM2664
Run #2	M70655.D	20	01/26/10	LP	01/15/10	OP41838	EM2666
Run #3	M70656.D	100	01/26/10	LP	01/15/10	OP41838	EM2666

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	8.1	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	3.6	2.0	1.1	ug/l	
	3&4-Methylphenol	8.9	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	440 ^a	20	7.3	ug/l	
208-96-8	Acenaphthylene	8.6	1.0	0.27	ug/l	
120-12-7	Anthracene	80.5	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	17.2	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	11.8	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	8.6	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	5.3	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	6.9	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	205 ^a	40	3.3	ug/l	
218-01-9	Chrysene	14.6	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-S2	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-9	Date Received:	01/13/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	2.1	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	396 ^a	100	6.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	1.2	2.0	0.33	ug/l	J
206-44-0	Fluoranthene	69.2	1.0	0.17	ug/l	
86-73-7	Fluorene	327 ^a	20	5.3	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	4.9	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	1500 ^a	40	13	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	9140 ^b	100	43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	498 ^a	20	4.2	ug/l	
129-00-0	Pyrene	53.4	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	26%	46%	0% ^c	13-68%
4165-62-2	Phenol-d5	26%	37%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	80%	97%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-S2	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-9	Date Received:	01/13/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	51%	119% ^d	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	67%	108% ^d	0% ^c	31-106%
1718-51-0	Terphenyl-d14	52%	76%	0% ^c	14-122%

(a) Result is from Run# 2

(b) Result is from Run# 3

(c) Outside control limits due to dilution.

(d) Outside of in house control limits due to dilution, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-S2		
Lab Sample ID:	JA37474-9	Date Sampled:	01/12/10
Matrix:	AQ - Ground Water	Date Received:	01/13/10
Method:	SW846-8015 SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	ZZ57551.D	1	01/18/10	DNM	01/15/10	OP41840	GZZ1895
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	4.62	0.10	0.039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	102%		34-139%
16416-32-3	Tetracosane-d50	67%		34-141%
438-22-2	5a-Androstane	56%		26-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-8S	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-10	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	76.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V99138.D	1	01/23/10	JLI	n/a	n/a	VV4135
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	14	3.2	ug/kg	
71-43-2	Benzene	1.8	1.4	0.48	ug/kg	
75-27-4	Bromodichloromethane	ND	7.1	0.36	ug/kg	
75-25-2	Bromoform	ND	7.1	0.21	ug/kg	
74-83-9	Bromomethane	ND	7.1	0.57	ug/kg	
78-93-3	2-Butanone (MEK)	ND	14	2.8	ug/kg	
75-15-0	Carbon disulfide	0.66	7.1	0.43	ug/kg	J
56-23-5	Carbon tetrachloride	ND	7.1	0.79	ug/kg	
108-90-7	Chlorobenzene	ND	7.1	0.48	ug/kg	
75-00-3	Chloroethane	ND	7.1	1.4	ug/kg	
67-66-3	Chloroform	ND	7.1	0.45	ug/kg	
74-87-3	Chloromethane	ND	7.1	0.23	ug/kg	
124-48-1	Dibromochloromethane	ND	7.1	0.16	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.1	0.20	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.49	ug/kg	
75-35-4	1,1-Dichloroethene	ND	7.1	0.94	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	7.1	0.34	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	7.1	0.64	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	7.1	0.34	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.1	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.1	0.19	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.1	0.14	ug/kg	
100-41-4	Ethylbenzene	4.1	1.4	0.53	ug/kg	
591-78-6	2-Hexanone	ND	7.1	1.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.4	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.1	1.1	ug/kg	
75-09-2	Methylene chloride	ND	7.1	0.32	ug/kg	
100-42-5	Styrene	ND	7.1	0.15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.1	0.41	ug/kg	
127-18-4	Tetrachloroethene	0.44	7.1	0.21	ug/kg	J
108-88-3	Toluene	4.2	1.4	0.41	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.1	0.18	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-8S	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-10	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	76.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	7.1	0.26	ug/kg	
79-01-6	Trichloroethene	ND	7.1	0.74	ug/kg	
75-01-4	Vinyl chloride	ND	7.1	0.25	ug/kg	
1330-20-7	Xylene (total)	10.6	2.8	0.66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		67-127%
17060-07-0	1,2-Dichloroethane-D4	80%		65-132%
2037-26-5	Toluene-D8	93%		74-129%
460-00-4	4-Bromofluorobenzene	73%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-8S	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-10	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	76.8
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	F86248.D	5	01/26/10	NAP	01/23/10	OP41931	EF4073
Run #2	F86269.D	100	01/27/10	NAP	01/23/10	OP41931	EF4074
Run #3	F86275.D	500	01/27/10	NAP	01/23/10	OP41931	EF4074
Run #4 ^b	F86349.D	1	01/29/10	LP	01/28/10	OP42010	EF4077

	Initial Weight	Final Volume
Run #1	33.1 g	1.0 ml
Run #2	33.1 g	1.0 ml
Run #3	33.1 g	1.0 ml
Run #4	10.3 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	980	200	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	980	200	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	980	320	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	980	330	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	3900	240	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	3900	240	ug/kg	
95-48-7	2-Methylphenol	ND	390	220	ug/kg	
	3&4-Methylphenol	328	390	250	ug/kg	J
88-75-5	2-Nitrophenol	ND	980	210	ug/kg	
100-02-7	4-Nitrophenol	ND	2000	330	ug/kg	
87-86-5	Pentachlorophenol	ND	2000	340	ug/kg	
108-95-2	Phenol	ND	390	210	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	980	230	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	980	180	ug/kg	
83-32-9	Acenaphthene	113000 ^c	3900	1100	ug/kg	
208-96-8	Acenaphthylene	195000 ^c	3900	1300	ug/kg	
120-12-7	Anthracene	237000 ^c	3900	1400	ug/kg	
56-55-3	Benzo(a)anthracene	225000 ^c	3900	1300	ug/kg	
50-32-8	Benzo(a)pyrene	223000 ^c	3900	1200	ug/kg	
205-99-2	Benzo(b)fluoranthene	203000 ^c	3900	1300	ug/kg	
191-24-2	Benzo(g,h,i)perylene	108000 ^c	3900	1500	ug/kg	
207-08-9	Benzo(k)fluoranthene	121000 ^c	3900	1500	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	390	71	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	390	110	ug/kg	
91-58-7	2-Chloronaphthalene	ND	390	61	ug/kg	
106-47-8	4-Chloroaniline	ND	980	63	ug/kg	
86-74-8	Carbazole	127000 ^c	7900	1800	ug/kg	
218-01-9	Chrysene	192000 ^c	3900	1300	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-8S	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-10	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	76.8
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	390	79	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	390	59	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	390	58	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	390	59	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	390	57	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	390	53	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	390	44	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	390	86	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	390	75	ug/kg	
91-94-1	3,3' -Dichlorobenzidine	ND	980	50	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	33300 ^c	3900	1300	ug/kg	
132-64-9	Dibenzofuran	213000 ^c	7900	1200	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	390	44	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	390	96	ug/kg	
84-66-2	Diethyl phthalate	ND	390	67	ug/kg	
131-11-3	Dimethyl phthalate	ND	390	69	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	390	170	ug/kg	
206-44-0	Fluoranthene	703000 ^d	20000	8700	ug/kg	
86-73-7	Fluorene	263000 ^c	3900	1300	ug/kg	
118-74-1	Hexachlorobenzene	ND	390	64	ug/kg	
87-68-3	Hexachlorobutadiene	ND	200	55	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	3900	200	ug/kg	
67-72-1	Hexachloroethane	ND	980	55	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	103000 ^c	3900	1400	ug/kg	
78-59-1	Isophorone	ND	390	53	ug/kg	
91-57-6	2-Methylnaphthalene	265000 ^c	7900	2200	ug/kg	
88-74-4	2-Nitroaniline	ND	980	87	ug/kg	
99-09-2	3-Nitroaniline	ND	980	79	ug/kg	
100-01-6	4-Nitroaniline	ND	980	77	ug/kg	
91-20-3	Naphthalene	1630000 ^d	20000	5400	ug/kg	
98-95-3	Nitrobenzene	ND	390	57	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	390	48	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	980	120	ug/kg	
85-01-8	Phenanthrene	1040000 ^d	20000	8900	ug/kg	
129-00-0	Pyrene	509000 ^d	20000	7600	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	390	52	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	50%	0% ^e	0% ^e	30-109%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-8S		
Lab Sample ID:	JA37474-10	Date Sampled:	01/12/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	76.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	49%	0% ^e	0% ^e	28-108%
118-79-6	2,4,6-Tribromophenol	38%	0% ^e	0% ^e	28-125%
4165-60-0	Nitrobenzene-d5	62%	0% ^e	0% ^e	28-113%
321-60-8	2-Fluorobiphenyl	55%	0% ^e	0% ^e	38-107%
1718-51-0	Terphenyl-d14	64%	0% ^e	0% ^e	31-116%

(a) Diluted due to high concentration of target compound and matrix interference.

(b) Confirmation run.

(c) Result is from Run# 2

(d) Result is from Run# 3

(e) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-8S						
Lab Sample ID:	JA37474-10			Date Sampled:	01/12/10		
Matrix:	SO - Soil			Date Received:	01/13/10		
Method:	SW846 8015B			Percent Solids:	76.8		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV78614.D	1	01/22/10	CY	n/a	n/a	GUV3124
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	16	1.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	85%		66-119%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-8S		
Lab Sample ID:	JA37474-10	Date Sampled:	01/12/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846-8015 SW846 3545	Percent Solids:	76.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z20521.D	10	01/23/10	DNM	01/19/10	OP41868	G3Z625
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	18600	75	37	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	131%		17-148%
16416-32-3	Tetracosane-d50	264% ^a		29-151%
438-22-2	5a-Androstane	299% ^a		19-161%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-1D	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-11	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	81.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D164411.D	1	01/22/10	TDN	n/a	n/a	VD6621
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.8 g	10.0 ml	10.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	6900	1500	ug/kg	
71-43-2	Benzene	ND	690	230	ug/kg	
75-27-4	Bromodichloromethane	ND	3400	180	ug/kg	
75-25-2	Bromoform	ND	3400	100	ug/kg	
74-83-9	Bromomethane	ND	3400	280	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6900	1400	ug/kg	
75-15-0	Carbon disulfide	ND	3400	210	ug/kg	
56-23-5	Carbon tetrachloride	ND	3400	380	ug/kg	
108-90-7	Chlorobenzene	ND	3400	230	ug/kg	
75-00-3	Chloroethane	ND	3400	690	ug/kg	
67-66-3	Chloroform	ND	3400	220	ug/kg	
74-87-3	Chloromethane	ND	3400	110	ug/kg	
124-48-1	Dibromochloromethane	ND	3400	76	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3400	95	ug/kg	
107-06-2	1,2-Dichloroethane	ND	690	240	ug/kg	
75-35-4	1,1-Dichloroethene	ND	3400	460	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	3400	160	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	3400	310	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	3400	160	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3400	89	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3400	91	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3400	66	ug/kg	
100-41-4	Ethylbenzene	57400	690	260	ug/kg	
591-78-6	2-Hexanone	ND	3400	660	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	690	190	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3400	560	ug/kg	
75-09-2	Methylene chloride	ND	3400	150	ug/kg	
100-42-5	Styrene	ND	3400	74	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3400	200	ug/kg	
127-18-4	Tetrachloroethene	ND	3400	100	ug/kg	
108-88-3	Toluene	48000	690	200	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3400	88	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-1D	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-11	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	81.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	3400	130	ug/kg	
79-01-6	Trichloroethene	ND	3400	360	ug/kg	
75-01-4	Vinyl chloride	ND	3400	120	ug/kg	
1330-20-7	Xylene (total)	241000	1400	320	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		67-127%
17060-07-0	1,2-Dichloroethane-D4	105%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	90%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-1D	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-11	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	81.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F86246.D	1	01/26/10	NAP	01/23/10	OP41931	EF4073
Run #2	F86267.D	20	01/27/10	NAP	01/23/10	OP41931	EF4074
Run #3	F86297.D	2000	01/28/10	NAP	01/23/10	OP41931	EF4075

	Initial Weight	Final Volume
Run #1	33.1 g	1.0 ml
Run #2	33.1 g	1.0 ml
Run #3	33.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	38	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	60	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	63	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	750	45	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	750	45	ug/kg	
95-48-7	2-Methylphenol	523	75	42	ug/kg	
	3&4-Methylphenol	487	75	47	ug/kg	
88-75-5	2-Nitrophenol	ND	190	39	ug/kg	
100-02-7	4-Nitrophenol	ND	370	63	ug/kg	
87-86-5	Pentachlorophenol	ND	370	64	ug/kg	
108-95-2	Phenol	ND	75	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	35	ug/kg	
83-32-9	Acenaphthene	161000 ^a	75000	22000	ug/kg	
208-96-8	Acenaphthylene	2960	37	12	ug/kg	
120-12-7	Anthracene	65700 ^b	750	260	ug/kg	
56-55-3	Benzo(a)anthracene	11500 ^b	750	240	ug/kg	
50-32-8	Benzo(a)pyrene	7460 ^b	750	230	ug/kg	
205-99-2	Benzo(b)fluoranthene	6270 ^b	750	250	ug/kg	
191-24-2	Benzo(g,h,i)perylene	2900 ^b	750	280	ug/kg	
207-08-9	Benzo(k)fluoranthene	5420 ^b	750	280	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	75	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	75	22	ug/kg	
91-58-7	2-Chloronaphthalene	ND	75	12	ug/kg	
106-47-8	4-Chloroaniline	ND	190	12	ug/kg	
86-74-8	Carbazole	33000 ^b	1500	340	ug/kg	
218-01-9	Chrysene	9860 ^b	750	250	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	75	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	75	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-1D	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-11	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	81.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	75	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	75	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	75	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	75	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	75	8.3	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	75	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	75	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	9.5	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	913 ^b	750	250	ug/kg	
132-64-9	Dibenzofuran	143000 ^a	75000	22000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	75	8.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	75	18	ug/kg	
84-66-2	Diethyl phthalate	ND	75	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	75	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	75	33	ug/kg	
206-44-0	Fluoranthene	65100 ^b	750	330	ug/kg	
86-73-7	Fluorene	131000 ^a	75000	24000	ug/kg	
118-74-1	Hexachlorobenzene	ND	75	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	750	38	ug/kg	
67-72-1	Hexachloroethane	ND	190	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	2800 ^b	750	260	ug/kg	
78-59-1	Isophorone	ND	75	10	ug/kg	
91-57-6	2-Methylnaphthalene	416000 ^a	150000	42000	ug/kg	
88-74-4	2-Nitroaniline	ND	190	16	ug/kg	
99-09-2	3-Nitroaniline	ND	190	15	ug/kg	
100-01-6	4-Nitroaniline	ND	190	15	ug/kg	
91-20-3	Naphthalene	4500000 ^a	75000	20000	ug/kg	
98-95-3	Nitrobenzene	ND	75	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	75	9.1	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	22	ug/kg	
85-01-8	Phenanthrene	268000 ^a	75000	34000	ug/kg	
129-00-0	Pyrene	40400 ^b	750	290	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	75	9.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	69%	68%	0% ^c	30-109%
4165-62-2	Phenol-d5	66%	66%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	54%	70%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PI-24-1D	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-11	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	81.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	59%	92%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	46%	71%	0% ^c	38-107%
1718-51-0	Terphenyl-d14	68%	86%	0% ^c	31-116%

- (a) Result is from Run# 3
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-24-1D	
Lab Sample ID:	JA37474-11	Date Sampled: 01/12/10
Matrix:	SO - Soil	Date Received: 01/13/10
Method:	SW846 8015B	Percent Solids: 81.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	UV78568.D	1	01/21/10	CY	n/a	n/a	GUV3122
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	20.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1160	73	7.0	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	89%		66-119%		

(a) Dilution required due to sample matrix (turbidity).

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-24-1D		
Lab Sample ID:	JA37474-11	Date Sampled:	01/12/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846-8015 SW846 3545	Percent Solids:	81.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z20522.D	10	01/23/10	DNM	01/19/10	OP41868	G3Z625
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	16000	72	36	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	115%		17-148%
16416-32-3	Tetracosane-d50	78%		29-151%
438-22-2	5a-Androstane	87%		19-161%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-24-2D	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-12	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	81.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D164542.D	1	01/26/10	TDN	n/a	n/a	VD6626
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.1 g	10.0 ml	5.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	14000	3200	ug/kg	
71-43-2	Benzene	2250	1400	490	ug/kg	
75-27-4	Bromodichloromethane	ND	7200	370	ug/kg	
75-25-2	Bromoform	ND	7200	220	ug/kg	
74-83-9	Bromomethane	ND	7200	580	ug/kg	
78-93-3	2-Butanone (MEK)	ND	14000	2800	ug/kg	
75-15-0	Carbon disulfide	ND	7200	440	ug/kg	
56-23-5	Carbon tetrachloride	ND	7200	800	ug/kg	
108-90-7	Chlorobenzene	ND	7200	490	ug/kg	
75-00-3	Chloroethane	ND	7200	1400	ug/kg	
67-66-3	Chloroform	ND	7200	460	ug/kg	
74-87-3	Chloromethane	ND	7200	240	ug/kg	
124-48-1	Dibromochloromethane	ND	7200	160	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7200	200	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1400	490	ug/kg	
75-35-4	1,1-Dichloroethene	ND	7200	950	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	7200	340	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	7200	640	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	7200	340	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7200	190	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7200	190	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7200	140	ug/kg	
100-41-4	Ethylbenzene	93200	1400	530	ug/kg	
591-78-6	2-Hexanone	ND	7200	1400	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1400	400	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7200	1200	ug/kg	
75-09-2	Methylene chloride	ND	7200	320	ug/kg	
100-42-5	Styrene	ND	7200	150	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7200	420	ug/kg	
127-18-4	Tetrachloroethene	ND	7200	210	ug/kg	
108-88-3	Toluene	161000	1400	420	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7200	180	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-24-2D	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-12	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	81.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	7200	270	ug/kg	
79-01-6	Trichloroethene	ND	7200	750	ug/kg	
75-01-4	Vinyl chloride	ND	7200	260	ug/kg	
1330-20-7	Xylene (total)	436000	2900	670	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	106%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	89%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID: PI-24-2D
Lab Sample ID: JA37474-12
Matrix: SO - Soil
Method: SW846 8270C SW846 3550B
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 01/12/10

Date Received: 01/13/10

Percent Solids: 81.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F86252.D	10	01/26/10	NAP	01/23/10	OP41931	EF4073
Run #2	F86271.D	1000	01/27/10	NAP	01/23/10	OP41931	EF4074
Run #3 ^a	F86351.D	1	01/29/10	LP	01/28/10	OP42010	EF4077

	Initial Weight	Final Volume
Run #1	33.0 g	1.0 ml
Run #2	33.0 g	1.0 ml
Run #3	10.3 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1900	370	ug/kg	J
59-50-7	4-Chloro-3-methyl phenol	ND	1900	370	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	1900	600	ug/kg	
105-67-9	2,4-Dimethylphenol	640	1900	620	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	7400	450	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	7400	450	ug/kg	
95-48-7	2-Methylphenol	ND	740	420	ug/kg	
	3&4-Methylphenol	ND	740	470	ug/kg	
88-75-5	2-Nitrophenol	ND	1900	390	ug/kg	
100-02-7	4-Nitrophenol	ND	3700	630	ug/kg	
87-86-5	Pentachlorophenol	ND	3700	630	ug/kg	
108-95-2	Phenol	ND	740	390	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	1900	430	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	1900	350	ug/kg	
83-32-9	Acenaphthene	148000 ^b	37000	11000	ug/kg	
208-96-8	Acenaphthylene	4190	370	120	ug/kg	
120-12-7	Anthracene	72600 ^b	37000	13000	ug/kg	
56-55-3	Benzo(a)anthracene	11800	370	120	ug/kg	
50-32-8	Benzo(a)pyrene	5220	370	110	ug/kg	
205-99-2	Benzo(b)fluoranthene	4230	370	120	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1660	370	140	ug/kg	
207-08-9	Benzo(k)fluoranthene	4220	370	140	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	740	130	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	740	210	ug/kg	
91-58-7	2-Chloronaphthalene	ND	740	110	ug/kg	
106-47-8	4-Chloroaniline	ND	1900	120	ug/kg	
86-74-8	Carbazole	20300	740	170	ug/kg	
218-01-9	Chrysene	10400	370	130	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	740	150	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	740	110	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-2D	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-12	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	81.8
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	740	110	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	740	110	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	740	110	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	740	99	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	740	83	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	740	160	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	740	140	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1900	94	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	806	370	130	ug/kg	
132-64-9	Dibenzofuran	123000 ^b	74000	11000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	740	82	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	740	180	ug/kg	
84-66-2	Diethyl phthalate	ND	740	130	ug/kg	
131-11-3	Dimethyl phthalate	ND	740	130	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	740	330	ug/kg	
206-44-0	Fluoranthene	94800 ^b	37000	16000	ug/kg	
86-73-7	Fluorene	135000 ^b	37000	12000	ug/kg	
118-74-1	Hexachlorobenzene	ND	740	120	ug/kg	
87-68-3	Hexachlorobutadiene	ND	370	100	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	7400	380	ug/kg	
67-72-1	Hexachloroethane	ND	1900	100	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1650	370	130	ug/kg	
78-59-1	Isophorone	ND	740	100	ug/kg	
91-57-6	2-Methylnaphthalene	329000 ^b	74000	21000	ug/kg	
88-74-4	2-Nitroaniline	ND	1900	160	ug/kg	
99-09-2	3-Nitroaniline	ND	1900	150	ug/kg	
100-01-6	4-Nitroaniline	ND	1900	140	ug/kg	
91-20-3	Naphthalene	1290000 ^b	37000	10000	ug/kg	
98-95-3	Nitrobenzene	ND	740	110	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	740	90	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1900	220	ug/kg	
85-01-8	Phenanthrene	276000 ^b	37000	17000	ug/kg	
129-00-0	Pyrene	66600 ^b	37000	14000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	740	99	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	52%	0% ^c	53%	30-109%
4165-62-2	Phenol-d5	59%	0% ^c	58%	28-108%
118-79-6	2,4,6-Tribromophenol	52%	0% ^c	48%	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-2D		
Lab Sample ID:	JA37474-12	Date Sampled:	01/12/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	81.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	65%	0% ^c	95%	28-113%
321-60-8	2-Fluorobiphenyl	67%	0% ^c	77%	38-107%
1718-51-0	Terphenyl-d14	74%	0% ^c	69%	31-116%

(a) Confirmation run.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-24-2D	
Lab Sample ID:	JA37474-12	Date Sampled: 01/12/10
Matrix:	SO - Soil	Date Received: 01/13/10
Method:	SW846 8015B	Percent Solids: 81.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	UV78569.D	1	01/21/10	CY	n/a	n/a	GUV3122
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	20.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1190	72	6.9	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	88%		66-119%		

(a) Dilution required due to sample matrix (turbidity).

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-24-2D		
Lab Sample ID:	JA37474-12	Date Sampled:	01/12/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846-8015 SW846 3545	Percent Solids:	81.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z20523.D	10	01/23/10	DNM	01/19/10	OP41868	G3Z625
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	12000	71	35	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	112%		17-148%
16416-32-3	Tetracosane-d50	83%		29-151%
438-22-2	5a-Androstane	143%		19-161%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-3D	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-13	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	48.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164412.D	1	01/22/10	TDN	n/a	n/a	VD6621
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.0 g	10.0 ml	10.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	15000	3200	ug/kg	
71-43-2	Benzene	ND	1500	500	ug/kg	
75-27-4	Bromodichloromethane	ND	7300	370	ug/kg	
75-25-2	Bromoform	ND	7300	220	ug/kg	
74-83-9	Bromomethane	ND	7300	590	ug/kg	
78-93-3	2-Butanone (MEK)	ND	15000	2900	ug/kg	
75-15-0	Carbon disulfide	ND	7300	440	ug/kg	
56-23-5	Carbon tetrachloride	ND	7300	810	ug/kg	
108-90-7	Chlorobenzene	ND	7300	490	ug/kg	
75-00-3	Chloroethane	ND	7300	1500	ug/kg	
67-66-3	Chloroform	ND	7300	460	ug/kg	
74-87-3	Chloromethane	ND	7300	240	ug/kg	
124-48-1	Dibromochloromethane	ND	7300	160	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7300	200	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1500	500	ug/kg	
75-35-4	1,1-Dichloroethene	ND	7300	960	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	7300	350	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	7300	650	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	7300	350	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7300	190	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7300	190	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7300	140	ug/kg	
100-41-4	Ethylbenzene	11500	1500	540	ug/kg	
591-78-6	2-Hexanone	ND	7300	1400	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1500	410	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7300	1200	ug/kg	
75-09-2	Methylene chloride	ND	7300	320	ug/kg	
100-42-5	Styrene	ND	7300	160	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7300	430	ug/kg	
127-18-4	Tetrachloroethene	ND	7300	210	ug/kg	
108-88-3	Toluene	895	1500	430	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	7300	190	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-3D	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-13	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	48.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	7300	270	ug/kg	
79-01-6	Trichloroethene	ND	7300	770	ug/kg	
75-01-4	Vinyl chloride	ND	7300	260	ug/kg	
1330-20-7	Xylene (total)	42300	2900	680	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		67-127%
17060-07-0	1,2-Dichloroethane-D4	105%		65-132%
2037-26-5	Toluene-D8	88%		74-129%
460-00-4	4-Bromofluorobenzene	89%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	PI-24-3D		
Lab Sample ID:	JA37474-13	Date Sampled:	01/12/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	48.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F86254.D	10	01/26/10	NAP	01/23/10	OP41931	EF4073
Run #2	F86272.D	200	01/27/10	NAP	01/23/10	OP41931	EF4074
Run #3	F86277.D	1000	01/27/10	NAP	01/23/10	OP41931	EF4074
Run #4 ^a	F86352.D	1	01/29/10	LP	01/28/10	OP42010	EF4077

	Initial Weight	Final Volume
Run #1	33.4 g	1.0 ml
Run #2	33.4 g	1.0 ml
Run #3	33.4 g	1.0 ml
Run #4	10.3 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	3100	620	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	3100	610	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	3100	990	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	3100	1000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	12000	750	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	12000	750	ug/kg	
95-48-7	2-Methylphenol	ND	1200	700	ug/kg	
	3&4-Methylphenol	ND	1200	780	ug/kg	
88-75-5	2-Nitrophenol	ND	3100	650	ug/kg	
100-02-7	4-Nitrophenol	ND	6100	1000	ug/kg	
87-86-5	Pentachlorophenol	ND	6100	1000	ug/kg	
108-95-2	Phenol	ND	1200	640	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	3100	710	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	3100	580	ug/kg	
83-32-9	Acenaphthene	262000 ^b	12000	3600	ug/kg	
208-96-8	Acenaphthylene	5370	610	200	ug/kg	
120-12-7	Anthracene	123000 ^b	12000	4300	ug/kg	
56-55-3	Benzo(a)anthracene	17900	610	200	ug/kg	
50-32-8	Benzo(a)pyrene	6080	610	190	ug/kg	
205-99-2	Benzo(b)fluoranthene	5090	610	200	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1250	610	230	ug/kg	
207-08-9	Benzo(k)fluoranthene	5410	610	230	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	1200	220	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	1200	360	ug/kg	
91-58-7	2-Chloronaphthalene	ND	1200	190	ug/kg	
106-47-8	4-Chloroaniline	ND	3100	200	ug/kg	
86-74-8	Carbazole	21600	1200	280	ug/kg	
218-01-9	Chrysene	15000	610	210	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-3D	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-13	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	48.8
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	1200	250	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	1200	180	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	1200	180	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1200	180	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1200	180	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1200	160	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1200	140	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	1200	270	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	1200	230	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	3100	160	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	725	610	210	ug/kg	
132-64-9	Dibenzofuran	224000 ^b	25000	3600	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	1200	140	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	1200	300	ug/kg	
84-66-2	Diethyl phthalate	ND	1200	210	ug/kg	
131-11-3	Dimethyl phthalate	ND	1200	220	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1200	540	ug/kg	
206-44-0	Fluoranthene	109000 ^b	12000	5400	ug/kg	
86-73-7	Fluorene	251000 ^b	12000	4000	ug/kg	
118-74-1	Hexachlorobenzene	ND	1200	200	ug/kg	
87-68-3	Hexachlorobutadiene	ND	610	170	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	12000	630	ug/kg	
67-72-1	Hexachloroethane	ND	3100	170	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1480	610	210	ug/kg	
78-59-1	Isophorone	ND	1200	170	ug/kg	
91-57-6	2-Methylnaphthalene	691000 ^b	25000	6800	ug/kg	
88-74-4	2-Nitroaniline	ND	3100	270	ug/kg	
99-09-2	3-Nitroaniline	ND	3100	250	ug/kg	
100-01-6	4-Nitroaniline	ND	3100	240	ug/kg	
91-20-3	Naphthalene	3460000 ^c	61000	17000	ug/kg	
98-95-3	Nitrobenzene	ND	1200	180	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	1200	150	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	3100	370	ug/kg	
85-01-8	Phenanthrene	421000 ^b	12000	5600	ug/kg	
129-00-0	Pyrene	69000 ^b	12000	4700	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1200	160	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	47%	0% ^d	0% ^d	30-109%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-3D		
Lab Sample ID:	JA37474-13	Date Sampled:	01/12/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	48.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	52%	0% ^d	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	47%	0% ^d	0% ^d	28-125%
4165-60-0	Nitrobenzene-d5	69%	0% ^d	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	60%	0% ^d	0% ^d	38-107%
1718-51-0	Terphenyl-d14	68%	0% ^d	0% ^d	31-116%

- (a) Confirmation run.
 (b) Result is from Run# 2
 (c) Result is from Run# 3
 (d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-3D						
Lab Sample ID:	JA37474-13			Date Sampled:	01/12/10		
Matrix:	SO - Soil			Date Received:	01/13/10		
Method:	SW846 8015B			Percent Solids:	48.8		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV78618.D	1	01/22/10	CY	n/a	n/a	GUV3124
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	50.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	625	62	5.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	90%		66-119%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-3D		
Lab Sample ID:	JA37474-13	Date Sampled:	01/12/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846-8015 SW846 3545	Percent Solids:	48.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z20524.D	10	01/23/10	DNM	01/19/10	OP41868	G3Z625
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	26700	120	60	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	114%		17-148%
16416-32-3	Tetracosane-d50	41%		29-151%
438-22-2	5a-Androstane	140%		19-161%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-4D	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-14	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	81.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D164416.D	1	01/22/10	TDN	n/a	n/a	VD6621
Run #2	D164541.D	50	01/26/10	TDN	n/a	n/a	VD6626

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.5 g	10.0 ml	2.0 ul
Run #2	10.5 g	10.0 ml	10.0 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	35000	7700	ug/kg	
71-43-2	Benzene	398000	3500	1200	ug/kg	
75-27-4	Bromodichloromethane	ND	17000	890	ug/kg	
75-25-2	Bromoform	ND	17000	520	ug/kg	
74-83-9	Bromomethane	ND	17000	1400	ug/kg	
78-93-3	2-Butanone (MEK)	ND	35000	6800	ug/kg	
75-15-0	Carbon disulfide	ND	17000	1100	ug/kg	
56-23-5	Carbon tetrachloride	ND	17000	1900	ug/kg	
108-90-7	Chlorobenzene	ND	17000	1200	ug/kg	
75-00-3	Chloroethane	ND	17000	3500	ug/kg	
67-66-3	Chloroform	ND	17000	1100	ug/kg	
74-87-3	Chloromethane	ND	17000	570	ug/kg	
124-48-1	Dibromochloromethane	ND	17000	380	ug/kg	
75-34-3	1,1-Dichloroethane	ND	17000	480	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3500	1200	ug/kg	
75-35-4	1,1-Dichloroethene	ND	17000	2300	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	17000	830	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	17000	1600	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	17000	830	ug/kg	
78-87-5	1,2-Dichloropropane	ND	17000	450	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	17000	460	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	17000	330	ug/kg	
100-41-4	Ethylbenzene	106000	3500	1300	ug/kg	
591-78-6	2-Hexanone	ND	17000	3300	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3500	980	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	17000	2800	ug/kg	
75-09-2	Methylene chloride	ND	17000	770	ug/kg	
100-42-5	Styrene	117000	17000	370	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	17000	1000	ug/kg	
127-18-4	Tetrachloroethene	ND	17000	500	ug/kg	
108-88-3	Toluene	762000 a	35000	10000	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	17000	440	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-4D	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-14	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	81.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	17000	640	ug/kg	
79-01-6	Trichloroethene	ND	17000	1800	ug/kg	
75-01-4	Vinyl chloride	ND	17000	620	ug/kg	
1330-20-7	Xylene (total)	1100000	6900	1600	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%	92%	67-127%
17060-07-0	1,2-Dichloroethane-D4	104%	107%	65-132%
2037-26-5	Toluene-D8	89%	88%	74-129%
460-00-4	4-Bromofluorobenzene	91%	92%	62-138%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-4D	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-14	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	81.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F86249.D	5	01/26/10	NAP	01/23/10	OP41931	EF4073
Run #2	F86270.D	100	01/27/10	NAP	01/23/10	OP41931	EF4074
Run #3	F86276.D	1000	01/27/10	NAP	01/23/10	OP41931	EF4074
Run #4 ^a	F86435.D	1	02/02/10	LP	01/28/10	OP42010	EF4080

	Initial Weight	Final Volume
Run #1	33.1 g	1.0 ml
Run #2	33.1 g	1.0 ml
Run #3	33.1 g	1.0 ml
Run #4	10.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	920	190	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	920	180	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	920	300	ug/kg	
105-67-9	2,4-Dimethylphenol	30600 ^b	18000	6200	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	3700	230	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	3700	230	ug/kg	
95-48-7	2-Methylphenol	27600 ^b	7400	4200	ug/kg	
	3&4-Methylphenol	70800 ^b	7400	4700	ug/kg	
88-75-5	2-Nitrophenol	ND	920	200	ug/kg	
100-02-7	4-Nitrophenol	ND	1800	310	ug/kg	
87-86-5	Pentachlorophenol	ND	1800	320	ug/kg	
108-95-2	Phenol	40200 ^b	7400	3900	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	920	210	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	920	170	ug/kg	
83-32-9	Acenaphthene	89300 ^b	3700	1100	ug/kg	
208-96-8	Acenaphthylene	33000 ^b	3700	1200	ug/kg	
120-12-7	Anthracene	81300 ^b	3700	1300	ug/kg	
56-55-3	Benzo(a)anthracene	66000 ^b	3700	1200	ug/kg	
50-32-8	Benzo(a)pyrene	65000 ^b	3700	1100	ug/kg	
205-99-2	Benzo(b)fluoranthene	45900 ^b	3700	1200	ug/kg	
191-24-2	Benzo(g,h,i)perylene	29200 ^b	3700	1400	ug/kg	
207-08-9	Benzo(k)fluoranthene	44100 ^b	3700	1400	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	370	67	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	370	110	ug/kg	
91-58-7	2-Chloronaphthalene	ND	370	57	ug/kg	
106-47-8	4-Chloroaniline	ND	920	59	ug/kg	
86-74-8	Carbazole	44700 ^b	7400	1700	ug/kg	
218-01-9	Chrysene	57200 ^b	3700	1200	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-4D	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-14	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	81.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	370	75	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	370	56	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	370	55	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	370	56	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	370	53	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	370	49	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	370	41	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	370	81	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	370	70	ug/kg	
91-94-1	3,3' -Dichlorobenzidine	ND	920	47	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	13200	180	63	ug/kg	
132-64-9	Dibenzofuran	114000 ^b	7400	1100	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	370	41	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	370	90	ug/kg	
84-66-2	Diethyl phthalate	ND	370	63	ug/kg	
131-11-3	Dimethyl phthalate	ND	370	65	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	370	160	ug/kg	
206-44-0	Fluoranthene	202000 ^b	3700	1600	ug/kg	
86-73-7	Fluorene	136000 ^b	3700	1200	ug/kg	
118-74-1	Hexachlorobenzene	ND	370	60	ug/kg	
87-68-3	Hexachlorobutadiene	ND	180	51	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	3700	190	ug/kg	
67-72-1	Hexachloroethane	ND	920	51	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	28200 ^b	3700	1300	ug/kg	
78-59-1	Isophorone	ND	370	50	ug/kg	
91-57-6	2-Methylnaphthalene	271000 ^b	7400	2100	ug/kg	
88-74-4	2-Nitroaniline	ND	920	81	ug/kg	
99-09-2	3-Nitroaniline	ND	920	74	ug/kg	
100-01-6	4-Nitroaniline	ND	920	72	ug/kg	
91-20-3	Naphthalene	942000 ^c	37000	10000	ug/kg	
98-95-3	Nitrobenzene	ND	370	53	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	370	45	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	920	110	ug/kg	
85-01-8	Phenanthrene	367000 ^b	3700	1700	ug/kg	
129-00-0	Pyrene	152000 ^b	3700	1400	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	370	49	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	60%	0% ^d	0% ^d	30-109%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-4D		
Lab Sample ID:	JA37474-14	Date Sampled:	01/12/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	81.9
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	57%	0% ^d	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	69%	0% ^d	0% ^d	28-125%
4165-60-0	Nitrobenzene-d5	84%	0% ^d	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	59%	0% ^d	0% ^d	38-107%
1718-51-0	Terphenyl-d14	58%	0% ^d	0% ^d	31-116%

- (a) Confirmation run.
 (b) Result is from Run# 2
 (c) Result is from Run# 3
 (d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-4D						
Lab Sample ID:	JA37474-14				Date Sampled:	01/12/10	
Matrix:	SO - Soil				Date Received:	01/13/10	
Method:	SW846 8015B				Percent Solids:	81.9	
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	UV78571.D	1	01/21/10	CY	n/a	n/a	GUV3122
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	5200	140	14	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	91%		66-119%		

(a) Dilution required due to sample matrix (turbidity).

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	PI-24-4D		
Lab Sample ID:	JA37474-14	Date Sampled:	01/12/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846-8015 SW846 3545	Percent Solids:	81.9
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z20527.D	10	01/23/10	DNM	01/19/10	OP41868	G3Z625
Run #2							

	Initial Weight	Final Volume
Run #1	17.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	15800	71	35	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	108%		17-148%
16416-32-3	Tetracosane-d50	121%		29-151%
438-22-2	5a-Androstane	462% ^a		19-161%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-5D	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-15	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	80.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164413.D	1	01/22/10	TDN	n/a	n/a	VD6621
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.2 g	10.0 ml	10.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	7300	1600	ug/kg	
71-43-2	Benzene	ND	730	250	ug/kg	
75-27-4	Bromodichloromethane	ND	3600	190	ug/kg	
75-25-2	Bromoform	ND	3600	110	ug/kg	
74-83-9	Bromomethane	ND	3600	290	ug/kg	
78-93-3	2-Butanone (MEK)	ND	7300	1400	ug/kg	
75-15-0	Carbon disulfide	ND	3600	220	ug/kg	
56-23-5	Carbon tetrachloride	ND	3600	400	ug/kg	
108-90-7	Chlorobenzene	ND	3600	250	ug/kg	
75-00-3	Chloroethane	ND	3600	730	ug/kg	
67-66-3	Chloroform	ND	3600	230	ug/kg	
74-87-3	Chloromethane	ND	3600	120	ug/kg	
124-48-1	Dibromochloromethane	ND	3600	80	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3600	100	ug/kg	
107-06-2	1,2-Dichloroethane	ND	730	250	ug/kg	
75-35-4	1,1-Dichloroethene	ND	3600	480	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	3600	170	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	3600	330	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	3600	170	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3600	95	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3600	97	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3600	70	ug/kg	
100-41-4	Ethylbenzene	20600	730	270	ug/kg	
591-78-6	2-Hexanone	ND	3600	700	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	730	210	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3600	590	ug/kg	
75-09-2	Methylene chloride	ND	3600	160	ug/kg	
100-42-5	Styrene	ND	3600	78	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3600	210	ug/kg	
127-18-4	Tetrachloroethene	ND	3600	110	ug/kg	
108-88-3	Toluene	718	730	210	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	3600	93	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-5D	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-15	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	80.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	3600	130	ug/kg	
79-01-6	Trichloroethene	ND	3600	380	ug/kg	
75-01-4	Vinyl chloride	ND	3600	130	ug/kg	
1330-20-7	Xylene (total)	45500	1500	340	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-127%
17060-07-0	1,2-Dichloroethane-D4	103%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	90%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-5D		
Lab Sample ID:	JA37474-15	Date Sampled:	01/12/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	80.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	F86255.D	10	01/26/10	NAP	01/23/10	OP41931	EF4073
Run #2	F86260.D	200	01/27/10	NAP	01/23/10	OP41931	EF4074
Run #3	F86278.D	1000	01/27/10	NAP	01/23/10	OP41931	EF4074

	Initial Weight	Final Volume
Run #1	33.4 g	1.0 ml
Run #2	33.4 g	1.0 ml
Run #3	33.4 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1900	370	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	1900	370	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	1900	600	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	1900	620	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	7400	450	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	7400	450	ug/kg	
95-48-7	2-Methylphenol	ND	740	420	ug/kg	
	3&4-Methylphenol	ND	740	470	ug/kg	
88-75-5	2-Nitrophenol	ND	1900	390	ug/kg	
100-02-7	4-Nitrophenol	ND	3700	630	ug/kg	
87-86-5	Pentachlorophenol	ND	3700	630	ug/kg	
108-95-2	Phenol	ND	740	390	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	1900	430	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	1900	350	ug/kg	
83-32-9	Acenaphthene	170000 ^b	7400	2200	ug/kg	
208-96-8	Acenaphthylene	14500	370	120	ug/kg	
120-12-7	Anthracene	82100 ^b	7400	2600	ug/kg	
56-55-3	Benzo(a)anthracene	13500	370	120	ug/kg	
50-32-8	Benzo(a)pyrene	7450	370	110	ug/kg	
205-99-2	Benzo(b)fluoranthene	6730	370	120	ug/kg	
191-24-2	Benzo(g,h,i)perylene	2340	370	140	ug/kg	
207-08-9	Benzo(k)fluoranthene	4660	370	140	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	740	130	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	740	210	ug/kg	
91-58-7	2-Chloronaphthalene	ND	740	120	ug/kg	
106-47-8	4-Chloroaniline	ND	1900	120	ug/kg	
86-74-8	Carbazole	31000	740	170	ug/kg	
218-01-9	Chrysene	11500	370	130	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	740	150	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	740	110	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-5D	Date Sampled:	01/12/10
Lab Sample ID:	JA37474-15	Date Received:	01/13/10
Matrix:	SO - Soil	Percent Solids:	80.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	740	110	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	740	110	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	740	110	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	740	99	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	740	83	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	740	160	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	740	140	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1900	94	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	993	370	130	ug/kg	
132-64-9	Dibenzofuran	150000 ^b	15000	2200	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	740	82	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	740	180	ug/kg	
84-66-2	Diethyl phthalate	ND	740	130	ug/kg	
131-11-3	Dimethyl phthalate	ND	740	130	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	740	330	ug/kg	
206-44-0	Fluoranthene	71600 ^b	7400	3300	ug/kg	
86-73-7	Fluorene	159000 ^b	7400	2400	ug/kg	
118-74-1	Hexachlorobenzene	ND	740	120	ug/kg	
87-68-3	Hexachlorobutadiene	ND	370	100	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	7400	380	ug/kg	
67-72-1	Hexachloroethane	ND	1900	100	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	2450	370	130	ug/kg	
78-59-1	Isophorone	ND	740	100	ug/kg	
91-57-6	2-Methylnaphthalene	418000 ^b	15000	4100	ug/kg	
88-74-4	2-Nitroaniline	ND	1900	160	ug/kg	
99-09-2	3-Nitroaniline	ND	1900	150	ug/kg	
100-01-6	4-Nitroaniline	ND	1900	140	ug/kg	
91-20-3	Naphthalene	1960000 ^c	37000	10000	ug/kg	
98-95-3	Nitrobenzene	ND	740	110	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	740	91	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1900	220	ug/kg	
85-01-8	Phenanthrene	286000 ^b	7400	3400	ug/kg	
129-00-0	Pyrene	49900 ^b	7400	2800	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	740	99	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	52%	0% ^d	0% ^d	30-109%
4165-62-2	Phenol-d5	53%	0% ^d	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	49%	0% ^d	0% ^d	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-5D			Date Sampled:	01/12/10
Lab Sample ID:	JA37474-15			Date Received:	01/13/10
Matrix:	SO - Soil			Percent Solids:	80.7
Method:	SW846 8270C SW846 3550B				
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY				

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	68%	0% ^d	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	62%	0% ^d	0% ^d	38-107%
1718-51-0	Terphenyl-d14	71%	0% ^d	0% ^d	31-116%

(a) Diluted due to high concentration of target compound and matrix interference.

(b) Result is from Run# 2

(c) Result is from Run# 3

(d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-5D	
Lab Sample ID:	JA37474-15	Date Sampled: 01/12/10
Matrix:	SO - Soil	Date Received: 01/13/10
Method:	SW846 8015B	Percent Solids: 80.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV78572.D	1	01/21/10	CY	n/a	n/a	GUV3122
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	122	15	1.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	87%		66-119%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-5D		
Lab Sample ID:	JA37474-15	Date Sampled:	01/12/10
Matrix:	SO - Soil	Date Received:	01/13/10
Method:	SW846-8015 SW846 3545	Percent Solids:	80.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z20517.D	10	01/23/10	DNM	01/19/10	OP41868	G3Z625
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	15900	72	36	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	145%		17-148%
16416-32-3	Tetracosane-d50	64%		29-151%
438-22-2	5a-Androstane	408% ^a		19-161%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



PAGE 1 OF

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # JA37474

[illegible]

2A

JA37474: Chain of Custody

Page 1 of 5

2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

[illegible]

4.4.1

JA37474: Chain of Custody

Page 2 of 5

Sample Log-In Summary

JA31414

COC

Name: ACCUTEST Page 1 of 1

Received by (Print Name): M. CATEA Log-in Date: 1/13/10

Received by (Signature): M. CATEA

		CORRESPONDING			REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
		NYSDEC SAMPLE #	SAMPLE TAG #	ASSIGNED LAB #	
Number:	N/A				
Number:					
Number:	N/A				
MARKS:		N/A		JA31414 -	1
Integrity Seal(s)	Present/Absent*	N/A			2
	Intact/Broken	N/A			3
Integrity Seal	N/A	N/A			4
Numbers:	N/A	N/A			5
Chain-of-Custody	Present/Absent*	N/A			6
Records	N/A	N/A			7
Contract Lab	Present/Absent*	N/A			8
Sample Inform.	N/A	N/A			9
Set (CLISIS)	N/A	N/A			10
Bill	Airbill/Sticker, N/A	N/A			11
	Present/Absent*	N/A			12
Bill No.:	N/A	N/A			13
	N/A	N/A			14
Sample Tags	Present/Absent* N/A	N/A			15
Sample Tag Nos.	Listed/Not Listed on	N/A			
	Chain-of-Custody	N/A			
Sample Condition	Intact/Broken*/	N/A			
	Leaking	N/A			
Information	COC + LABELS AGREE	N/A			
Integrity rec.,		N/A			
IS, & sample		N/A			
Agree	Yes/No*	N/A			
Sample received		N/A			
Lab:	1/13/10	N/A			
Sample Received:	1/13/10	N/A			
Queous VOC vials					
Is space?	Yes/No*				
Reserved voc					
Is fully im-					
Preservative?	Yes/No* N/A	N/A			
Sample Transfer					
See Internal					
Chain of Custody					

JA37474: Chain of Custody

Page 3 of 5

BTSR and attach record of resolution

By: _____

Logbook No.: N/A

Logbook Page No.: N/A

SM10.02



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA37474

Client: FLS-NY

Immediate Client Services Action Required: Yes

Date / Time Received: 1/13/2010 1720

Delivery Method: Accutest Courier

Client Service Action Required at Login: No

Project: PARCEL 8

No. Coolers:

2

Airbill #'s:

Cooler Security

Y or N

Y or N

1. Custody Seals Present:

☐☒

3. COC Present:

☒☐

2. Custody Seals Intact:

☒☐

4. Smpl Dates/Time OK

☐☒

Cooler Temperature

Y or N

1. Temp criteria achieved:

☒☐

2. Cooler temp verification:

Infrared gun

3. Cooler media:

Ice (bag)

Quality Control Preservation

Y

N

N/A

1. Trip Blank present / cooler:

☐☐☐

2. Trip Blank listed on COC:

☐☐☐

3. Samples preserved properly:

☒☐☐

4. VOCs headspace free:

☐☐☐

Comments

-3 NO TIME ON COC OR LABELS
"PI-24-6D" AND "PI-24-8D" NOT REC'D

Sample Integrity - Documentation

Y or N

1. Sample labels present on bottles:

☒☐

2. Container labeling complete:

☐☒

3. Sample container label / COC agree:

☒☐

Sample Integrity - Condition

Y or N

1. Sample recvd within HT:

☒☐

2. All containers accounted for:

☐☒

3. Condition of sample:

Intact

Sample Integrity - Instructions

Y N N/A

1. Analysis requested is clear:

☒☐

2. Bottles received for unspecified tests

☐☒

3. Sufficient volume recvd for analysis:

☒☐

4. Compositing instructions clear:

☐☐☐

5. Filtering instructions clear:

☐☐☐

Accutest Laboratories
V: 732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JA37474: Chain of Custody

Page 4 of 5



Sample Receipt Summary - Problem Resolution

Accutest Job Number: JA37474

CSR: Tammy McCloskey

Response Date 1/14/2010

Response: Sample time for JA37474-3 (PI-24-S1) is 14:27.
Please disregard PI-24-6D and PI-24-8D on chain of custody, these will be submitted at a later date on a new chain of custody.

All above per Brandon Nathe

Accutest Laboratories
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Dayton, New Jersey
www.accutest.com



07/02/10

Technical Report for

Fleming-Lee Shue, Inc.

Queens West, Parcel 8, 47th Road, Long Island City, NY

10011-017-4

Accutest Job Number: JA38355

Sampling Dates: 01/20/10 - 01/22/10

Report to:

Fleming-Lee Shue, Inc.

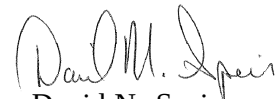
steve@flemingleeshue.com

ATTN: Steve Panter

Total number of pages in report: **117**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


David N. Speis
VP Ops, Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Fleming-Lee Shue, Inc.

Job No: JA38355

Queens West, Parcel 8, 47th Road, Long Island City, NY
Project No: 10011-017-4

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JA38355-1	01/20/10	15:15 KB	01/22/10	AQ	Ground Water	PI-19-S2
JA38355-2	01/21/10	09:10 KB	01/22/10	SO	Soil	PI-11-6
JA38355-3	01/21/10	10:00 KB	01/22/10	AQ	Ground Water	PI-11-S3
JA38355-4	01/21/10	10:40 KB	01/22/10	SO	Soil	PI-11-9
JA38355-5	01/21/10	11:27 KB	01/22/10	SO	Soil	PI-11-11
JA38355-6	01/21/10	12:55 KB	01/22/10	SO	Soil	PI-11-7
JA38355-7	01/21/10	13:35 KB	01/22/10	AQ	Ground Water	PI-11-S6
JA38355-8	01/21/10	14:20 KB	01/22/10	SO	Soil	PI-11-15
JA38355-9	01/21/10	14:47 KB	01/22/10	SO	Soil	PI-11-16
JA38355-10	01/22/10	08:50 KB	01/22/10	SO	Soil	PI-11-8
JA38355-11	01/22/10	09:15 KB	01/22/10	SO	Soil	PI-11-13
JA38355-12	01/22/10	09:20 KB	01/22/10	SO	Soil	PI-11-5
JA38355-13	01/22/10	09:30 KB	01/22/10	AQ	Ground Water	PI-11-S7

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary

(continued)

Fleming-Lee Shue, Inc.

Job No: JA38355

Queens West, Parcel 8, 47th Road, Long Island City, NY

Project No: 10011-017-4

Sample Number	Collected			Received	Matrix		Client Sample ID
	Date	Time	By		Code	Type	
JA38355-14	01/22/10	09:45	KB	01/22/10	SO	Soil	PI-11-4
JA38355-15	01/22/10	10:10	KB	01/22/10	SO	Soil	PI-11-2
JA38355-16	01/22/10	11:35	KB	01/22/10	SO	Soil	PI-11-14
JA38355-17	01/22/10	11:45	KB	01/22/10	AQ	Ground Water	PI-11-S1
JA38355-18	01/22/10	12:00	KB	01/22/10	SO	Soil	PI-11-10
JA38355-19	01/22/10	12:45	KB	01/22/10	SO	Soil	PI-11-12
JA38355-20	01/22/10	12:45	KB	01/22/10	AQ	Trip Blank Water	TRIP BLANK
JA38355-21	01/22/10	10:15	KB	01/22/10	AQ	Ground Water	PI-11-S8

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Fleming-Lee Shue, Inc.

Job No JA38355

Site: Queens West, Parcel 8, 47th Road, Long Island City, NY

Report Date 2/16/2010 2:33:32 PM

On 01/22/2010, 20 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 4 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA38355 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: V3D1820

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA38355-3MS, JA38355-3MSD were used as the QC samples indicated.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Benzene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JA38355-7: Diluted due to high concentration of non-target compound.
- JA38355-1: Diluted due to high concentration of non-target compound.

Matrix: SO

Batch ID: VD6640

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA38355-16MS, JA38355-16MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JA38355-10: Diluted due to high concentration of non-target compound.
- JA38355-15: Diluted due to high concentration of non-target compound.
- JA38355-19: Diluted due to high concentration of non-target compound.
- JA38355-12: Diluted due to high concentration of non-target compound.
- JA38355-2: Diluted due to high concentration of non-target compound.
- JA38355-4: Diluted due to high concentration of non-target compound.
- JA38355-9: Diluted due to high concentration of non-target compound.
- JA38355-18: Diluted due to high concentration of non-target compound.
- JA38355-16: Diluted due to high concentration of non-target compound.

Matrix: SO

Batch ID: VD6645

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA38621-11MS, JA38621-11MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JA38355-11: Diluted due to high concentration of non-target compound.

Matrix: SO

Batch ID: VV4148

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA38538-1MS, JA38538-2DUP were used as the QC samples indicated.

Volatiles by GCMS By Method SW846 8260B**Matrix:** SO**Batch ID:** VV4148

- RPD(s) for Duplicate for Tetrachloroethene are outside control limits for sample JA38538-2DUP. High RPD due to low concentration of hit

Matrix: SO**Batch ID:** VV4150

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA38770-2MS, JA38770-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO**Batch ID:** VY4082

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA38715-17MS, JA38715-18DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for Duplicate for Acetone, Benzene, Toluene, Xylene (total) are outside control limits for sample JA38715-18DUP. High RPD due to possible sample analyzed from different vials.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ

Batch ID: OP41976

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA38178-2MS, JA38178-2MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 3,3'-Dichlorobenzidine are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 3,3'-Dichlorobenzidine are outside control limits. Probable cause due to matrix interference.
- JA38355-7: Diluted due to high concentration of target compound and matrix interference.
- JA38355-7 for 2-Fluorobiphenyl: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- JA38355-7 for Nitrobenzene-d5: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- JA38355-17 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38355-7 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38355-7 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38355-7 for Phenol-d5: Outside control limits due to dilution.
- JA38355-7 for Terphenyl-d14: Outside control limits due to dilution.
- JA38355-13 for 2-Fluorobiphenyl: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- JA38355-17 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38355-3 for Terphenyl-d14: Outside control limits due to dilution.
- JA38355-17 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38355-17 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38355-17 for Phenol-d5: Outside control limits due to dilution.
- JA38355-17 for Terphenyl-d14: Outside control limits due to dilution.
- JA38355-13 for Nitrobenzene-d5: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- OP41976-MSD for Phenol-d5: Outside of in house control limits, but within reasonable method recovery limits.
- JA38355-7 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- OP41976-MS for Phenol-d5: Outside of in house control limits, but within reasonable method recovery limits.
- JA38355-7 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38355-3 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38355-3 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38355-3 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38355-3 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38355-3 for Phenol-d5: Outside control limits due to dilution.

Matrix: SO

Batch ID: OP42028

- All samples were extracted within the recommended method holding time.
- Sample(s) JA38308-1MS, JA38308-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, 4-Nitrophenol are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, 4-Nitrophenol are outside control limits. Outside control limits due to matrix interference.
- JA38355-10 for 2,4,6-Tribromophenol: Outside control limits due to dilution.

Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP42028

- OP42028-MB1 for Terphenyl-d14: Outside of in house control limits, but within reasonable method recovery limits.
- JA38355-10 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38355-11 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38355-12 for Terphenyl-d14: Outside control limits due to dilution.
- JA38355-15 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38355-15 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38355-15 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38355-15 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38355-11 for Terphenyl-d14: Outside control limits due to dilution.
- JA38355-15 for Terphenyl-d14: Outside control limits due to dilution.
- JA38355-11 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38355-16 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38355-11 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38355-11 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38355-19 for Terphenyl-d14: Outside control limits due to dilution.
- JA38355-19 for Phenol-d5: Outside control limits due to dilution.
- JA38355-19 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38355-10 for 2,4,6-Tribromophenol: Outside control limits due to dilution and matrix interference.
- JA38355-19 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38355-11 for Phenol-d5: Outside control limits due to dilution.
- JA38355-10 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38355-12 for Phenol-d5: Outside control limits due to dilution.
- JA38355-12 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38355-12 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38355-12 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38355-12 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38355-10 for Terphenyl-d14: Outside control limits due to dilution.
- JA38355-15 for Phenol-d5: Outside control limits due to dilution.
- JA38355-10 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38355-19 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38355-10 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38355-10 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38355-16 for Terphenyl-d14: Outside control limits due to dilution.
- JA38355-16 for Phenol-d5: Outside control limits due to dilution.
- JA38355-16 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38355-16 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38355-16 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38355-10 for Phenol-d5: Outside control limits due to dilution.
- JA38355-2 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38355-4 for Terphenyl-d14: Outside control limits due to dilution.
- JA38355-19 for 2-Fluorophenol: Outside control limits due to dilution.

Tuesday, February 16, 2010

Page 4 of 6

Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP42028

- JA38355-4 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38355-4 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38355-4 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38355-4 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38355-18 for Terphenyl-d14: Outside control limits due to dilution.
- JA38355-2 for Phenol-d5: Outside control limits due to dilution.
- JA38355-5 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38355-2 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38355-2 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38355-2 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38355-10 for Terphenyl-d14: Outside control limits due to dilution.
- JA38355-10 for Phenol-d5: Outside control limits due to dilution.
- JA38355-10 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38355-10 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38355-2 for Terphenyl-d14: Outside control limits due to dilution.
- JA38355-6 for Phenol-d5: Outside control limits due to dilution.
- JA38355-18 for Phenol-d5: Outside control limits due to dilution.
- JA38355-18 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38355-18 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38355-18 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38355-18 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38355-4 for Phenol-d5: Outside control limits due to dilution.
- JA38355-6 for Terphenyl-d14: Outside control limits due to dilution.
- JA38355-5 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38355-6 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38355-6 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38355-6 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38355-6 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38355-5 for Terphenyl-d14: Outside control limits due to dilution.
- JA38355-5 for Phenol-d5: Outside control limits due to dilution.
- JA38355-5 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38355-5 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38355-8 for Phenol-d5: Outside control limits due to dilution.

Wet Chemistry By Method SM18 2540G

Matrix: SO

Batch ID: GN34298

- The data for SM18 2540G meets quality control requirements.

Matrix: SO

Batch ID: GN34338

- The data for SM18 2540G meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover



Sample Results

Report of Analysis

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-19-S2	Date Sampled:	01/20/10
Lab Sample ID:	JA38355-1	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3D41628.D	5	01/28/10	TYG	n/a	n/a	V3D1820
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	14	ug/l	
71-43-2	Benzene	147	5.0	1.2	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.1	ug/l	
75-25-2	Bromoform	ND	20	1.2	ug/l	
74-83-9	Bromomethane	ND	10	1.5	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	8.1	ug/l	
75-15-0	Carbon disulfide	5.3	10	3.7	ug/l	J
56-23-5	Carbon tetrachloride	ND	5.0	1.3	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.9	ug/l	
75-00-3	Chloroethane	ND	5.0	1.9	ug/l	
67-66-3	Chloroform	ND	5.0	1.2	ug/l	
74-87-3	Chloromethane	ND	5.0	1.4	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.1	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	1.4	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.7	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	1.1	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	1.2	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	5.0	1.1	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.4	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.2	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
100-41-4	Ethylbenzene	720	5.0	1.3	ug/l	
591-78-6	2-Hexanone	ND	25	7.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	13.5	5.0	1.2	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	4.3	ug/l	
75-09-2	Methylene chloride	ND	10	1.5	ug/l	
100-42-5	Styrene	ND	25	2.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.2	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	1.3	ug/l	
108-88-3	Toluene	266	5.0	1.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.3	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-19-S2	Date Sampled:	01/20/10
Lab Sample ID:	JA38355-1	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.2	ug/l	
79-01-6	Trichloroethene	ND	5.0	1.2	ug/l	
75-01-4	Vinyl chloride	ND	5.0	2.2	ug/l	
1330-20-7	Xylene (total)	558	5.0	1.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		76-120%
17060-07-0	1,2-Dichloroethane-D4	96%		64-135%
2037-26-5	Toluene-D8	87%		76-117%
460-00-4	4-Bromofluorobenzene	86%		72-122%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

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 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-19-S2	Date Sampled:	01/20/10
Lab Sample ID:	JA38355-1	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P47742.D	1	02/05/10	NAP	01/26/10	OP41976	EP2036
Run #2	P47755.D	50	02/08/10	NAP	01/26/10	OP41976	EP2037

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	10.6	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	19.6	2.0	1.1	ug/l	
	3&4-Methylphenol	14.4	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	12.2	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	171 ^a	50	18	ug/l	
208-96-8	Acenaphthylene	1.6	1.0	0.27	ug/l	
120-12-7	Anthracene	6.3	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	0.71	1.0	0.12	ug/l	J
50-32-8	Benzo(a)pyrene	0.46	1.0	0.095	ug/l	J
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	48.8	2.0	0.17	ug/l	
218-01-9	Chrysene	0.61	1.0	0.11	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	

ND = Not detected MDL - Method Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-S2	Date Sampled:	01/20/10
Lab Sample ID:	JA38355-1	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	69.8	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	7.1	2.0	0.33	ug/l	
206-44-0	Fluoranthene	4.4	1.0	0.17	ug/l	
86-73-7	Fluorene	43.6	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	139 ^a	100	33	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	3450 ^a	50	21	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	41.1	1.0	0.21	ug/l	
129-00-0	Pyrene	3.0	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%	37%	13-68%
4165-62-2	Phenol-d5	23%	23%	10-49%
118-79-6	2,4,6-Tribromophenol	73%	78%	37-130%
4165-60-0	Nitrobenzene-d5	73%	87%	25-112%
321-60-8	2-Fluorobiphenyl	69%	91%	31-106%

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Report of Analysis

Client Sample ID:	PI-19-S2		
Lab Sample ID:	JA38355-1	Date Sampled:	01/20/10
Matrix:	AQ - Ground Water	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	69%	100%	14-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-11-6	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-2	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	84.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164855.D	1	02/03/10	TDN	n/a	n/a	VD6640
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.4 g	10.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3300	730	ug/kg	
71-43-2	Benzene	ND	330	110	ug/kg	
75-27-4	Bromodichloromethane	ND	1600	84	ug/kg	
75-25-2	Bromoform	ND	1600	50	ug/kg	
74-83-9	Bromomethane	ND	1600	130	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3300	650	ug/kg	
75-15-0	Carbon disulfide	ND	1600	100	ug/kg	
56-23-5	Carbon tetrachloride	ND	1600	180	ug/kg	
108-90-7	Chlorobenzene	ND	1600	110	ug/kg	
75-00-3	Chloroethane	ND	1600	330	ug/kg	
67-66-3	Chloroform	ND	1600	100	ug/kg	
74-87-3	Chloromethane	ND	1600	54	ug/kg	
124-48-1	Dibromochloromethane	ND	1600	36	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1600	45	ug/kg	
107-06-2	1,2-Dichloroethane	ND	330	110	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1600	220	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1600	78	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1600	150	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	1600	78	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1600	43	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1600	44	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1600	32	ug/kg	
100-41-4	Ethylbenzene	332	330	120	ug/kg	
591-78-6	2-Hexanone	ND	1600	320	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	330	93	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	1600	270	ug/kg	
75-09-2	Methylene chloride	ND	1600	73	ug/kg	
100-42-5	Styrene	ND	1600	35	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1600	96	ug/kg	
127-18-4	Tetrachloroethene	ND	1600	48	ug/kg	
108-88-3	Toluene	242	330	96	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	1600	42	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-11-6	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-2	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	84.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1600	61	ug/kg	
79-01-6	Trichloroethene	ND	1600	170	ug/kg	
75-01-4	Vinyl chloride	ND	1600	58	ug/kg	
1330-20-7	Xylene (total)	1040	660	150	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	108%		65-132%
2037-26-5	Toluene-D8	88%		74-129%
460-00-4	4-Bromofluorobenzene	93%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
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 E = Indicates value exceeds calibration range

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 B = Indicates analyte found in associated method blank
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Report of Analysis

Page 1 of 3

Client Sample ID:	PI-11-6	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-2	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	84.8
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M71002.D	5	02/05/10	LP	01/29/10	OP42028	EM2683
Run #2	M71031.D	10	02/06/10	LP	01/29/10	OP42028	EM2684
Run #3	M71032.D	100	02/06/10	LP	01/29/10	OP42028	EM2684

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml
Run #3	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	840	170	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	840	170	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	840	270	ug/kg	
105-67-9	2,4-Dimethylphenol	9020	840	280	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	3400	200	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	3400	200	ug/kg	
95-48-7	2-Methylphenol	6880	340	190	ug/kg	
	3&4-Methylphenol	18000 ^a	670	430	ug/kg	
88-75-5	2-Nitrophenol	ND	840	180	ug/kg	
100-02-7	4-Nitrophenol	ND	1700	280	ug/kg	
87-86-5	Pentachlorophenol	ND	1700	290	ug/kg	
108-95-2	Phenol	9340	340	180	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	840	190	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	840	160	ug/kg	
83-32-9	Acenaphthene	53600 ^b	3400	970	ug/kg	
208-96-8	Acenaphthylene	1390	170	54	ug/kg	
120-12-7	Anthracene	22300 ^a	340	120	ug/kg	
56-55-3	Benzo(a)anthracene	13500	170	55	ug/kg	
50-32-8	Benzo(a)pyrene	11600	170	51	ug/kg	
205-99-2	Benzo(b)fluoranthene	10600	170	56	ug/kg	
191-24-2	Benzo(g,h,i)perylene	6120	170	62	ug/kg	
207-08-9	Benzo(k)fluoranthene	5420	170	63	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	340	61	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	97	ug/kg	
91-58-7	2-Chloronaphthalene	ND	340	52	ug/kg	
106-47-8	4-Chloroaniline	ND	840	54	ug/kg	
86-74-8	Carbazole	7620	340	78	ug/kg	
218-01-9	Chrysene	14000	170	57	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	340	68	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	340	50	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-6	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-2	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	84.8
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	340	50	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	340	50	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	340	48	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	340	45	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	340	37	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	340	73	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	340	64	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	840	43	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1830	170	57	ug/kg	
132-64-9	Dibenzofuran	46400 ^b	6700	990	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	37	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	82	ug/kg	
84-66-2	Diethyl phthalate	ND	340	57	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	59	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	150	ug/kg	
206-44-0	Fluoranthene	46600 ^b	3400	1500	ug/kg	
86-73-7	Fluorene	39000 ^b	3400	1100	ug/kg	
118-74-1	Hexachlorobenzene	ND	340	55	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	47	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	3400	170	ug/kg	
67-72-1	Hexachloroethane	ND	840	47	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	5010	170	58	ug/kg	
78-59-1	Isophorone	ND	340	45	ug/kg	
91-57-6	2-Methylnaphthalene	17700 ^a	670	190	ug/kg	
88-74-4	2-Nitroaniline	ND	840	74	ug/kg	
99-09-2	3-Nitroaniline	ND	840	67	ug/kg	
100-01-6	4-Nitroaniline	ND	840	65	ug/kg	
91-20-3	Naphthalene	56000 ^b	3400	910	ug/kg	
98-95-3	Nitrobenzene	ND	340	48	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	340	41	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	840	100	ug/kg	
85-01-8	Phenanthrene	111000 ^b	3400	1500	ug/kg	
129-00-0	Pyrene	42900 ^b	3400	1300	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	340	45	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	46%	44%	0% ^c	30-109%
4165-62-2	Phenol-d5	51%	50%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	66%	59%	0% ^c	28-125%

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Report of Analysis

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Client Sample ID:	PI-11-6	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-2	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	84.8
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	69%	63%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	82%	80%	0% ^c	38-107%
1718-51-0	Terphenyl-d14	99%	104%	0% ^c	31-116%

- (a) Result is from Run# 2
(b) Result is from Run# 3
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-11-S3	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-3	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D41626.D	10	01/28/10	TYG	n/a	n/a	V3D1820
Run #2	3D41627.D	50	01/28/10	TYG	n/a	n/a	V3D1820

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	29	ug/l	
71-43-2	Benzene	2420 ^a	50	12	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.2	ug/l	
75-25-2	Bromoform	ND	40	2.3	ug/l	
74-83-9	Bromomethane	ND	20	3.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	16	ug/l	
75-15-0	Carbon disulfide	12.1	20	7.4	ug/l	J
56-23-5	Carbon tetrachloride	ND	10	2.6	ug/l	
108-90-7	Chlorobenzene	ND	10	3.9	ug/l	
75-00-3	Chloroethane	ND	10	3.7	ug/l	
67-66-3	Chloroform	ND	10	2.3	ug/l	
74-87-3	Chloromethane	ND	10	2.9	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.9	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.3	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	2.5	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	10	2.2	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.7	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	260	10	2.7	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	8.6	ug/l	
75-09-2	Methylene chloride	ND	20	3.0	ug/l	
100-42-5	Styrene	ND	50	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.4	ug/l	
127-18-4	Tetrachloroethene	ND	10	2.7	ug/l	
108-88-3	Toluene	257	10	3.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.6	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-11-S3	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-3	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	10	2.3	ug/l	
79-01-6	Trichloroethene	ND	10	2.4	ug/l	
75-01-4	Vinyl chloride	ND	10	4.4	ug/l	
1330-20-7	Xylene (total)	730	10	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	96%	76-120%
17060-07-0	1,2-Dichloroethane-D4	96%	95%	64-135%
2037-26-5	Toluene-D8	85%	86%	76-117%
460-00-4	4-Bromofluorobenzene	86%	86%	72-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-S3	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-3	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P47743.D	1	02/05/10	NAP	01/26/10	OP41976	EP2036
Run #2	P47761.D	200	02/08/10	NAP	01/26/10	OP41976	EP2037

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	29.5	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	1.6	2.0	1.1	ug/l	J
	3&4-Methylphenol	ND	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	9.0	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	356 ^a	200	73	ug/l	
208-96-8	Acenaphthylene	3.0	1.0	0.27	ug/l	
120-12-7	Anthracene	20.7	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	1.2	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	0.54	1.0	0.095	ug/l	J
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	49.7	2.0	0.17	ug/l	
218-01-9	Chrysene	1.1	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-S3	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-3	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	274 ^a	200	61	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.4	2.0	0.33	ug/l	
206-44-0	Fluoranthene	11.8	1.0	0.17	ug/l	
86-73-7	Fluorene	87.0	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	1030 ^a	400	130	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	8540 ^a	200	85	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	254 ^a	200	42	ug/l	
129-00-0	Pyrene	7.4	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	25%	0% ^b	13-68%
4165-62-2	Phenol-d5	26%	0% ^b	10-49%
118-79-6	2,4,6-Tribromophenol	74%	0% ^b	37-130%
4165-60-0	Nitrobenzene-d5	87%	0% ^b	25-112%
321-60-8	2-Fluorobiphenyl	66%	0% ^b	31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-S3	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-3	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	43%	0% ^b	14-122%

- (a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-11-9	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-4	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	85.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164857.D	1	02/03/10	TDN	n/a	n/a	VD6640
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.6 g	10.0 ml	5.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12000	2600	ug/kg	
71-43-2	Benzene	ND	1200	400	ug/kg	
75-27-4	Bromodichloromethane	ND	5900	300	ug/kg	
75-25-2	Bromoform	ND	5900	180	ug/kg	
74-83-9	Bromomethane	ND	5900	480	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12000	2300	ug/kg	
75-15-0	Carbon disulfide	ND	5900	360	ug/kg	
56-23-5	Carbon tetrachloride	ND	5900	660	ug/kg	
108-90-7	Chlorobenzene	ND	5900	400	ug/kg	
75-00-3	Chloroethane	ND	5900	1200	ug/kg	
67-66-3	Chloroform	ND	5900	380	ug/kg	
74-87-3	Chloromethane	ND	5900	200	ug/kg	
124-48-1	Dibromochloromethane	ND	5900	130	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5900	160	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1200	410	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5900	780	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5900	280	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5900	530	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5900	280	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5900	150	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5900	160	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5900	110	ug/kg	
100-41-4	Ethylbenzene	2630	1200	440	ug/kg	
591-78-6	2-Hexanone	ND	5900	1100	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1200	330	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5900	960	ug/kg	
75-09-2	Methylene chloride	ND	5900	260	ug/kg	
100-42-5	Styrene	ND	5900	130	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5900	350	ug/kg	
127-18-4	Tetrachloroethene	ND	5900	170	ug/kg	
108-88-3	Toluene	392	1200	350	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	5900	150	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-11-9	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-4	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	85.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	5900	220	ug/kg	
79-01-6	Trichloroethene	ND	5900	620	ug/kg	
75-01-4	Vinyl chloride	ND	5900	210	ug/kg	
1330-20-7	Xylene (total)	9200	2400	560	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		67-127%
17060-07-0	1,2-Dichloroethane-D4	108%		65-132%
2037-26-5	Toluene-D8	88%		74-129%
460-00-4	4-Bromofluorobenzene	92%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-11-9		
Lab Sample ID:	JA38355-4	Date Sampled:	01/21/10
Matrix:	SO - Soil	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	85.2
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M71003.D	5	02/05/10	LP	01/29/10	OP42028	EM2683
Run #2	M71033.D	200	02/06/10	LP	01/29/10	OP42028	EM2684

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2	35.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	840	170	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	840	170	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	840	270	ug/kg	
105-67-9	2,4-Dimethylphenol	646	840	280	ug/kg	J
51-28-5	2,4-Dinitrophenol	ND	3300	200	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	3300	200	ug/kg	
95-48-7	2-Methylphenol	ND	330	190	ug/kg	
	3&4-Methylphenol	ND	330	210	ug/kg	
88-75-5	2-Nitrophenol	ND	840	180	ug/kg	
100-02-7	4-Nitrophenol	ND	1700	280	ug/kg	
87-86-5	Pentachlorophenol	ND	1700	290	ug/kg	
108-95-2	Phenol	ND	330	180	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	840	190	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	840	160	ug/kg	
83-32-9	Acenaphthene	92900 ^a	6700	1900	ug/kg	
208-96-8	Acenaphthylene	4210	170	54	ug/kg	
120-12-7	Anthracene	51100 ^a	6700	2300	ug/kg	
56-55-3	Benzo(a)anthracene	58200 ^a	6700	2200	ug/kg	
50-32-8	Benzo(a)pyrene	65100 ^a	6700	2000	ug/kg	
205-99-2	Benzo(b)fluoranthene	62800 ^a	6700	2200	ug/kg	
191-24-2	Benzo(g,h,i)perylene	34500 ^a	6700	2500	ug/kg	
207-08-9	Benzo(k)fluoranthene	31800 ^a	6700	2500	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	330	61	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	97	ug/kg	
91-58-7	2-Chloronaphthalene	ND	330	52	ug/kg	
106-47-8	4-Chloroaniline	ND	840	54	ug/kg	
86-74-8	Carbazole	8400	330	77	ug/kg	
218-01-9	Chrysene	64300 ^a	6700	2300	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	330	68	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	330	50	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	330	50	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	330	50	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-9	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-4	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	85.2
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	330	48	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	330	45	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	330	37	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	330	73	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	330	64	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	840	42	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	9590	170	57	ug/kg	
132-64-9	Dibenzofuran	65500 ^a	13000	2000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	37	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	81	ug/kg	
84-66-2	Diethyl phthalate	ND	330	57	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	59	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	150	ug/kg	
206-44-0	Fluoranthene	148000 ^a	6700	2900	ug/kg	
86-73-7	Fluorene	68100 ^a	6700	2200	ug/kg	
118-74-1	Hexachlorobenzene	ND	330	55	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	46	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	3300	170	ug/kg	
67-72-1	Hexachloroethane	ND	840	46	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	30400 ^a	6700	2300	ug/kg	
78-59-1	Isophorone	ND	330	45	ug/kg	
91-57-6	2-Methylnaphthalene	39300 ^a	13000	3700	ug/kg	
88-74-4	2-Nitroaniline	ND	840	74	ug/kg	
99-09-2	3-Nitroaniline	ND	840	67	ug/kg	
100-01-6	4-Nitroaniline	ND	840	65	ug/kg	
91-20-3	Naphthalene	222000 ^a	6700	1800	ug/kg	
98-95-3	Nitrobenzene	ND	330	48	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	330	41	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	840	100	ug/kg	
85-01-8	Phenanthrene	220000 ^a	6700	3000	ug/kg	
129-00-0	Pyrene	150000 ^a	6700	2600	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	330	44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%	0% ^b	30-109%
4165-62-2	Phenol-d5	58%	0% ^b	28-108%
118-79-6	2,4,6-Tribromophenol	55%	0% ^b	28-125%
4165-60-0	Nitrobenzene-d5	68%	0% ^b	28-113%
321-60-8	2-Fluorobiphenyl	82%	0% ^b	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-9		
Lab Sample ID:	JA38355-4	Date Sampled:	01/21/10
Matrix:	SO - Soil	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	85.2
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	61%	0% ^b	31-116%

- (a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-11	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-5	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V99481.D	1	02/03/10	JLI	n/a	n/a	VV4150
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	30.4	12	2.7	ug/kg	
71-43-2	Benzene	2.9	1.2	0.42	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	0.32	ug/kg	
75-25-2	Bromoform	ND	6.1	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.1	0.50	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.4	ug/kg	
75-15-0	Carbon disulfide	1.7	6.1	0.37	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.1	0.68	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	0.42	ug/kg	
75-00-3	Chloroethane	ND	6.1	1.2	ug/kg	
67-66-3	Chloroform	ND	6.1	0.39	ug/kg	
74-87-3	Chloromethane	ND	6.1	0.20	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	0.13	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.42	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.1	0.81	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.1	0.29	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.1	0.55	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6.1	0.29	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	0.12	ug/kg	
100-41-4	Ethylbenzene	13.4	1.2	0.46	ug/kg	
591-78-6	2-Hexanone	ND	6.1	1.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.35	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.1	0.99	ug/kg	
75-09-2	Methylene chloride	12.5	6.1	0.27	ug/kg	
100-42-5	Styrene	1.2	6.1	0.13	ug/kg	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	0.36	ug/kg	
127-18-4	Tetrachloroethene	0.23	6.1	0.18	ug/kg	J
108-88-3	Toluene	7.7	1.2	0.36	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	0.16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-11-11	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-5	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	6.1	0.23	ug/kg	
79-01-6	Trichloroethene	ND	6.1	0.65	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	0.22	ug/kg	
1330-20-7	Xylene (total)	104	2.5	0.58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		67-127%
17060-07-0	1,2-Dichloroethane-D4	104%		65-132%
2037-26-5	Toluene-D8	102%		74-129%
460-00-4	4-Bromofluorobenzene	78%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-11	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-5	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M71004.D	5	02/05/10	LP	01/29/10	OP42028	EM2683
Run #2	M71034.D	100	02/06/10	LP	01/29/10	OP42028	EM2684

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	860	170	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	860	170	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	860	280	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	860	290	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	3400	210	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	3400	210	ug/kg	
95-48-7	2-Methylphenol	ND	340	200	ug/kg	
	3&4-Methylphenol	ND	340	220	ug/kg	
88-75-5	2-Nitrophenol	ND	860	180	ug/kg	
100-02-7	4-Nitrophenol	ND	1700	290	ug/kg	
87-86-5	Pentachlorophenol	ND	1700	290	ug/kg	
108-95-2	Phenol	ND	340	180	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	860	200	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	860	160	ug/kg	
83-32-9	Acenaphthene	25100 ^a	3400	1000	ug/kg	
208-96-8	Acenaphthylene	1550	170	55	ug/kg	
120-12-7	Anthracene	19100 ^a	3400	1200	ug/kg	
56-55-3	Benzo(a)anthracene	27900 ^a	3400	1100	ug/kg	
50-32-8	Benzo(a)pyrene	24900 ^a	3400	1000	ug/kg	
205-99-2	Benzo(b)fluoranthene	24300 ^a	3400	1100	ug/kg	
191-24-2	Benzo(g,h,i)perylene	11300	170	64	ug/kg	
207-08-9	Benzo(k)fluoranthene	16200 ^a	3400	1300	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	340	62	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	340	99	ug/kg	
91-58-7	2-Chloronaphthalene	ND	340	53	ug/kg	
106-47-8	4-Chloroaniline	ND	860	55	ug/kg	
86-74-8	Carbazole	4940	340	79	ug/kg	
218-01-9	Chrysene	28600 ^a	3400	1200	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	340	69	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	340	52	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	340	51	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	340	52	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-11	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-5	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	340	49	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	340	46	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	340	38	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	340	75	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	340	65	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	860	44	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	4060	170	59	ug/kg	
132-64-9	Dibenzofuran	20900 ^a	6900	1000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	340	38	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	340	84	ug/kg	
84-66-2	Diethyl phthalate	ND	340	59	ug/kg	
131-11-3	Dimethyl phthalate	ND	340	60	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	340	150	ug/kg	
206-44-0	Fluoranthene	65900 ^a	3400	1500	ug/kg	
86-73-7	Fluorene	17100	170	56	ug/kg	
118-74-1	Hexachlorobenzene	ND	340	56	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	48	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	3400	180	ug/kg	
67-72-1	Hexachloroethane	ND	860	48	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	10300	170	60	ug/kg	
78-59-1	Isophorone	ND	340	46	ug/kg	
91-57-6	2-Methylnaphthalene	13900	340	96	ug/kg	
88-74-4	2-Nitroaniline	ND	860	76	ug/kg	
99-09-2	3-Nitroaniline	ND	860	69	ug/kg	
100-01-6	4-Nitroaniline	ND	860	67	ug/kg	
91-20-3	Naphthalene	24600 ^a	3400	940	ug/kg	
98-95-3	Nitrobenzene	ND	340	50	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	340	42	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	860	100	ug/kg	
85-01-8	Phenanthrene	85800 ^a	3400	1600	ug/kg	
129-00-0	Pyrene	64200 ^a	3400	1300	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	340	46	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%	0% ^b	30-109%
4165-62-2	Phenol-d5	46%	0% ^b	28-108%
118-79-6	2,4,6-Tribromophenol	44%	0% ^b	28-125%
4165-60-0	Nitrobenzene-d5	64%	0% ^b	28-113%
321-60-8	2-Fluorobiphenyl	66%	0% ^b	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-11		
Lab Sample ID:	JA38355-5	Date Sampled:	01/21/10
Matrix:	SO - Soil	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	83.2
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	48%	0% ^b	31-116%

- (a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-7	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-6	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	82.5
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V99432.D	1	02/02/10	JLI	n/a	n/a	VV4148
Run #2							

	Initial Weight
Run #1	4.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	28.7	14	3.2	ug/kg	J
71-43-2	Benzene	1.0	1.4	0.49	ug/kg	
75-27-4	Bromodichloromethane	ND	7.2	0.37	ug/kg	
75-25-2	Bromoform	ND	7.2	0.22	ug/kg	
74-83-9	Bromomethane	ND	7.2	0.58	ug/kg	
78-93-3	2-Butanone (MEK)	ND	14	2.8	ug/kg	
75-15-0	Carbon disulfide	10.9	7.2	0.44	ug/kg	
56-23-5	Carbon tetrachloride	ND	7.2	0.80	ug/kg	
108-90-7	Chlorobenzene	ND	7.2	0.49	ug/kg	
75-00-3	Chloroethane	ND	7.2	1.4	ug/kg	
67-66-3	Chloroform	ND	7.2	0.46	ug/kg	J
74-87-3	Chloromethane	ND	7.2	0.24	ug/kg	
124-48-1	Dibromochloromethane	ND	7.2	0.16	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.2	0.20	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.50	ug/kg	
75-35-4	1,1-Dichloroethene	ND	7.2	0.96	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	7.2	0.34	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	7.2	0.65	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	7.2	0.34	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.2	0.19	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.2	0.19	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.2	0.14	ug/kg	
100-41-4	Ethylbenzene	13.1	1.4	0.54	ug/kg	
591-78-6	2-Hexanone	ND	7.2	1.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.4	0.41	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.2	1.2	ug/kg	
75-09-2	Methylene chloride	ND	7.2	0.32	ug/kg	
100-42-5	Styrene	4.3	7.2	0.15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.2	0.42	ug/kg	
127-18-4	Tetrachloroethene	ND	7.2	0.21	ug/kg	
108-88-3	Toluene	4.5	1.4	0.42	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.2	0.18	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-11-7	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-6	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	82.5
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	7.2	0.27	ug/kg	
79-01-6	Trichloroethene	ND	7.2	0.76	ug/kg	
75-01-4	Vinyl chloride	ND	7.2	0.26	ug/kg	
1330-20-7	Xylene (total)	22.8	2.9	0.68	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		67-127%
17060-07-0	1,2-Dichloroethane-D4	105%		65-132%
2037-26-5	Toluene-D8	105%		74-129%
460-00-4	4-Bromofluorobenzene	78%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-7		
Lab Sample ID:	JA38355-6	Date Sampled:	01/21/10
Matrix:	SO - Soil	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	82.5
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M71005.D	5	02/05/10	LP	01/29/10	OP42028	EM2683
Run #2	M71035.D	100	02/06/10	LP	01/29/10	OP42028	EM2684

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	870	170	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	870	170	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	870	280	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	870	290	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	3500	210	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	3500	210	ug/kg	
95-48-7	2-Methylphenol	ND	350	200	ug/kg	
	3&4-Methylphenol	ND	350	220	ug/kg	
88-75-5	2-Nitrophenol	ND	870	180	ug/kg	
100-02-7	4-Nitrophenol	ND	1700	290	ug/kg	
87-86-5	Pentachlorophenol	ND	1700	300	ug/kg	
108-95-2	Phenol	ND	350	180	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	870	200	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	870	160	ug/kg	
83-32-9	Acenaphthene	97100 ^a	3500	1000	ug/kg	
208-96-8	Acenaphthylene	1920	170	55	ug/kg	
120-12-7	Anthracene	46000 ^a	3500	1200	ug/kg	
56-55-3	Benzo(a)anthracene	28800 ^a	3500	1100	ug/kg	
50-32-8	Benzo(a)pyrene	20400 ^a	3500	1100	ug/kg	
205-99-2	Benzo(b)fluoranthene	19500 ^a	3500	1200	ug/kg	
191-24-2	Benzo(g,h,i)perylene	8260	170	64	ug/kg	
207-08-9	Benzo(k)fluoranthene	14300 ^a	3500	1300	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	350	63	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	100	ug/kg	
91-58-7	2-Chloronaphthalene	ND	350	54	ug/kg	
106-47-8	4-Chloroaniline	ND	870	55	ug/kg	
86-74-8	Carbazole	10300	350	80	ug/kg	
218-01-9	Chrysene	30700 ^a	3500	1200	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	350	70	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	350	52	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	350	51	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	350	52	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-7	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-6	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	82.5
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	350	50	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	350	46	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	350	39	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	350	76	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	350	66	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	870	44	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	3640	170	59	ug/kg	
132-64-9	Dibenzofuran	74300 ^a	6900	1000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	350	38	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	84	ug/kg	
84-66-2	Diethyl phthalate	ND	350	59	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	61	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	150	ug/kg	
206-44-0	Fluoranthene	82800 ^a	3500	1500	ug/kg	
86-73-7	Fluorene	75000 ^a	3500	1100	ug/kg	
118-74-1	Hexachlorobenzene	ND	350	56	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	48	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	3500	180	ug/kg	
67-72-1	Hexachloroethane	ND	870	48	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	7650	170	60	ug/kg	
78-59-1	Isophorone	ND	350	47	ug/kg	
91-57-6	2-Methylnaphthalene	4180	350	97	ug/kg	
88-74-4	2-Nitroaniline	ND	870	76	ug/kg	
99-09-2	3-Nitroaniline	ND	870	69	ug/kg	
100-01-6	4-Nitroaniline	ND	870	68	ug/kg	
91-20-3	Naphthalene	69600 ^a	3500	950	ug/kg	
98-95-3	Nitrobenzene	ND	350	50	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	350	42	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	870	100	ug/kg	
85-01-8	Phenanthrene	220000 ^a	3500	1600	ug/kg	
129-00-0	Pyrene	77900 ^a	3500	1300	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	350	46	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%	0% ^b	30-109%
4165-62-2	Phenol-d5	58%	0% ^b	28-108%
118-79-6	2,4,6-Tribromophenol	69%	0% ^b	28-125%
4165-60-0	Nitrobenzene-d5	80%	0% ^b	28-113%
321-60-8	2-Fluorobiphenyl	93%	0% ^b	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-7		
Lab Sample ID:	JA38355-6	Date Sampled:	01/21/10
Matrix:	SO - Soil	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	82.5
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	81%	0% ^b	31-116%

- (a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-11-S6	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-7	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3D41629.D	20	01/28/10	TYG	n/a	n/a	V3D1820
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	200	57	ug/l	
71-43-2	Benzene	68.0	20	4.7	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.4	ug/l	
75-25-2	Bromoform	ND	80	4.6	ug/l	
74-83-9	Bromomethane	ND	40	5.9	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	32	ug/l	
75-15-0	Carbon disulfide	ND	40	15	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.1	ug/l	
108-90-7	Chlorobenzene	ND	20	7.8	ug/l	
75-00-3	Chloroethane	ND	20	7.4	ug/l	
67-66-3	Chloroform	ND	20	4.7	ug/l	
74-87-3	Chloromethane	ND	20	5.8	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.3	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	6.7	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	7.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	20	4.3	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	20	5.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	20	4.3	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	5.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.3	ug/l	
100-41-4	Ethylbenzene	1380	20	5.4	ug/l	
591-78-6	2-Hexanone	ND	100	28	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	4.7	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	17	ug/l	
75-09-2	Methylene chloride	ND	40	6.1	ug/l	
100-42-5	Styrene	ND	100	12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.8	ug/l	
127-18-4	Tetrachloroethene	ND	20	5.3	ug/l	
108-88-3	Toluene	91.9	20	6.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	5.1	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-11-S6	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-7	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	20	4.6	ug/l	
79-01-6	Trichloroethene	ND	20	4.8	ug/l	
75-01-4	Vinyl chloride	ND	20	8.9	ug/l	
1330-20-7	Xylene (total)	2170	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		76-120%
17060-07-0	1,2-Dichloroethane-D4	93%		64-135%
2037-26-5	Toluene-D8	87%		76-117%
460-00-4	4-Bromofluorobenzene	87%		72-122%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-11-S6	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-7	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	P47757.D	10	02/08/10	NAP	01/26/10	OP41976	EP2037
Run #2	P47762.D	200	02/08/10	NAP	01/26/10	OP41976	EP2037

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	50	11	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	50	11	ug/l	
120-83-2	2,4-Dichlorophenol	ND	50	12	ug/l	
105-67-9	2,4-Dimethylphenol	ND	50	17	ug/l	
51-28-5	2,4-Dinitrophenol	ND	200	7.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	200	5.1	ug/l	
95-48-7	2-Methylphenol	ND	20	11	ug/l	
	3&4-Methylphenol	11.2	20	10	ug/l	J
88-75-5	2-Nitrophenol	ND	50	12	ug/l	
100-02-7	4-Nitrophenol	ND	100	8.3	ug/l	
87-86-5	Pentachlorophenol	ND	100	8.0	ug/l	
108-95-2	Phenol	ND	20	5.8	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	50	13	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	50	12	ug/l	
83-32-9	Acenaphthene	329	10	3.7	ug/l	
208-96-8	Acenaphthylene	9.1	10	2.7	ug/l	J
120-12-7	Anthracene	39.7	10	1.6	ug/l	
56-55-3	Benzo(a)anthracene	8.1	10	1.2	ug/l	J
50-32-8	Benzo(a)pyrene	4.2	10	0.95	ug/l	J
205-99-2	Benzo(b)fluoranthene	20.0	10	2.5	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	10	1.2	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	10	3.8	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	20	3.5	ug/l	
85-68-7	Butyl benzyl phthalate	ND	20	2.5	ug/l	
91-58-7	2-Chloronaphthalene	ND	50	4.2	ug/l	
106-47-8	4-Chloroaniline	ND	50	2.5	ug/l	
86-74-8	Carbazole	212	20	1.7	ug/l	
218-01-9	Chrysene	7.5	10	1.1	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	20	2.5	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	20	3.1	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	20	3.9	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	20	3.5	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-S6	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-7	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	20	4.2	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	20	3.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	20	3.9	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	20	2.2	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	20	3.3	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	50	3.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	10	1.5	ug/l	
132-64-9	Dibenzofuran	228	50	3.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	20	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	20	4.0	ug/l	
84-66-2	Diethyl phthalate	ND	20	1.7	ug/l	
131-11-3	Dimethyl phthalate	ND	20	2.3	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	20	3.3	ug/l	
206-44-0	Fluoranthene	49.4	10	1.7	ug/l	
86-73-7	Fluorene	167	10	2.7	ug/l	
118-74-1	Hexachlorobenzene	ND	20	3.7	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	3.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	200	6.7	ug/l	
67-72-1	Hexachloroethane	ND	50	2.6	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	15.2	10	1.3	ug/l	
78-59-1	Isophorone	ND	20	2.5	ug/l	
91-57-6	2-Methylnaphthalene	797	20	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	50	2.4	ug/l	
99-09-2	3-Nitroaniline	ND	50	2.9	ug/l	
100-01-6	4-Nitroaniline	ND	50	1.8	ug/l	
91-20-3	Naphthalene	12700 ^b	200	85	ug/l	
98-95-3	Nitrobenzene	ND	20	2.5	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	20	4.4	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	50	2.2	ug/l	
85-01-8	Phenanthrene	252	10	2.1	ug/l	
129-00-0	Pyrene	33.7	10	1.6	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	20	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	58%	0% ^c	13-68%
4165-62-2	Phenol-d5	34%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	105%	0% ^c	37-130%
4165-60-0	Nitrobenzene-d5	118% ^d	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	111% ^d	0% ^c	31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-S6		
Lab Sample ID:	JA38355-7	Date Sampled:	01/21/10
Matrix:	AQ - Ground Water	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	91%	0% ^c	14-122%

- (a) Diluted due to high concentration of target compound and matrix interference.
- (b) Result is from Run# 2
- (c) Outside control limits due to dilution.
- (d) Outside of in house control limits due to dilution, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-11-15	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-8	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	82.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V99480.D	1	02/03/10	JLI	n/a	n/a	VV4150
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	56.0	13	2.9	ug/kg	
71-43-2	Benzene	3.7	1.3	0.45	ug/kg	
75-27-4	Bromodichloromethane	ND	6.6	0.34	ug/kg	
75-25-2	Bromoform	ND	6.6	0.20	ug/kg	
74-83-9	Bromomethane	ND	6.6	0.53	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.6	ug/kg	
75-15-0	Carbon disulfide	0.77	6.6	0.40	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.6	0.73	ug/kg	
108-90-7	Chlorobenzene	ND	6.6	0.45	ug/kg	
75-00-3	Chloroethane	ND	6.6	1.3	ug/kg	
67-66-3	Chloroform	ND	6.6	0.42	ug/kg	
74-87-3	Chloromethane	ND	6.6	0.22	ug/kg	
124-48-1	Dibromochloromethane	ND	6.6	0.15	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.6	0.18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.46	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.6	0.88	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.6	0.32	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.6	0.59	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6.6	0.32	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.6	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.6	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.6	0.13	ug/kg	
100-41-4	Ethylbenzene	1.9	1.3	0.49	ug/kg	
591-78-6	2-Hexanone	ND	6.6	1.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.37	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.6	1.1	ug/kg	
75-09-2	Methylene chloride	5.7	6.6	0.29	ug/kg	J
100-42-5	Styrene	ND	6.6	0.14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	0.39	ug/kg	
127-18-4	Tetrachloroethene	ND	6.6	0.19	ug/kg	
108-88-3	Toluene	3.2	1.3	0.39	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.6	0.17	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-11-15	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-8	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	82.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	6.6	0.24	ug/kg	
79-01-6	Trichloroethene	ND	6.6	0.70	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	0.24	ug/kg	
1330-20-7	Xylene (total)	6.2	2.6	0.62	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		67-127%
17060-07-0	1,2-Dichloroethane-D4	103%		65-132%
2037-26-5	Toluene-D8	103%		74-129%
460-00-4	4-Bromofluorobenzene	83%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-11-15	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-8	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	82.2
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M71006.D	5	02/05/10	LP	01/29/10	OP42028	EM2683
Run #2	M71036.D	20	02/06/10	LP	01/29/10	OP42028	EM2684

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	860	170	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	860	170	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	860	280	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	860	290	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	3500	210	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	3500	210	ug/kg	
95-48-7	2-Methylphenol	ND	350	200	ug/kg	
	3&4-Methylphenol	ND	350	220	ug/kg	
88-75-5	2-Nitrophenol	ND	860	180	ug/kg	
100-02-7	4-Nitrophenol	ND	1700	290	ug/kg	
87-86-5	Pentachlorophenol	ND	1700	300	ug/kg	
108-95-2	Phenol	ND	350	180	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	860	200	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	860	160	ug/kg	
83-32-9	Acenaphthene	1650	170	50	ug/kg	
208-96-8	Acenaphthylene	708	170	55	ug/kg	
120-12-7	Anthracene	4200	170	60	ug/kg	
56-55-3	Benzo(a)anthracene	11900	170	56	ug/kg	
50-32-8	Benzo(a)pyrene	17200 ^a	690	210	ug/kg	
205-99-2	Benzo(b)fluoranthene	13600	170	58	ug/kg	
191-24-2	Benzo(g,h,i)perylene	11500	170	64	ug/kg	
207-08-9	Benzo(k)fluoranthene	13300	170	65	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	350	63	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	100	ug/kg	
91-58-7	2-Chloronaphthalene	ND	350	54	ug/kg	
106-47-8	4-Chloroaniline	ND	860	55	ug/kg	
86-74-8	Carbazole	784	350	80	ug/kg	
218-01-9	Chrysene	14300	170	58	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	350	70	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	350	52	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	350	51	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	350	52	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-15	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-8	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	82.2
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	350	50	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	350	46	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	350	39	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	350	76	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	350	66	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	860	44	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	3590	170	59	ug/kg	
132-64-9	Dibenzofuran	822	350	51	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	350	38	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	84	ug/kg	
84-66-2	Diethyl phthalate	ND	350	59	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	61	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	150	ug/kg	
206-44-0	Fluoranthene	19100 ^a	690	300	ug/kg	
86-73-7	Fluorene	1350	170	57	ug/kg	
118-74-1	Hexachlorobenzene	ND	350	56	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	48	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	3500	180	ug/kg	
67-72-1	Hexachloroethane	ND	860	48	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	9920	170	60	ug/kg	
78-59-1	Isophorone	ND	350	46	ug/kg	
91-57-6	2-Methylnaphthalene	256	350	96	ug/kg	J
88-74-4	2-Nitroaniline	ND	860	76	ug/kg	
99-09-2	3-Nitroaniline	ND	860	69	ug/kg	
100-01-6	4-Nitroaniline	ND	860	67	ug/kg	
91-20-3	Naphthalene	536	170	47	ug/kg	
98-95-3	Nitrobenzene	ND	350	50	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	350	42	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	860	100	ug/kg	
85-01-8	Phenanthrene	11300	170	79	ug/kg	
129-00-0	Pyrene	23300 ^a	690	270	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	350	46	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%	30%	30-109%
4165-62-2	Phenol-d5	43%	25% ^b	28-108%
118-79-6	2,4,6-Tribromophenol	38%	42%	28-125%
4165-60-0	Nitrobenzene-d5	60%	53%	28-113%
321-60-8	2-Fluorobiphenyl	74%	73%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-15		
Lab Sample ID:	JA38355-8	Date Sampled:	01/21/10
Matrix:	SO - Soil	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	82.2
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	60%	75%	31-116%

- (a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-11-16	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-9	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	67.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164854.D	1	02/03/10	TDN	n/a	n/a	VD6640
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.6 g	10.0 ml	10.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	8900	2000	ug/kg	
71-43-2	Benzene	4470	890	300	ug/kg	
75-27-4	Bromodichloromethane	ND	4400	230	ug/kg	
75-25-2	Bromoform	ND	4400	130	ug/kg	
74-83-9	Bromomethane	ND	4400	360	ug/kg	
78-93-3	2-Butanone (MEK)	ND	8900	1700	ug/kg	
75-15-0	Carbon disulfide	ND	4400	270	ug/kg	
56-23-5	Carbon tetrachloride	ND	4400	490	ug/kg	
108-90-7	Chlorobenzene	ND	4400	300	ug/kg	
75-00-3	Chloroethane	ND	4400	890	ug/kg	
67-66-3	Chloroform	ND	4400	280	ug/kg	
74-87-3	Chloromethane	ND	4400	150	ug/kg	
124-48-1	Dibromochloromethane	ND	4400	98	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4400	120	ug/kg	
107-06-2	1,2-Dichloroethane	ND	890	310	ug/kg	
75-35-4	1,1-Dichloroethene	ND	4400	590	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	4400	210	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	4400	400	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	4400	210	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4400	120	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4400	120	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4400	85	ug/kg	
100-41-4	Ethylbenzene	9190	890	330	ug/kg	
591-78-6	2-Hexanone	ND	4400	850	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	890	250	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4400	720	ug/kg	
75-09-2	Methylene chloride	ND	4400	200	ug/kg	
100-42-5	Styrene	ND	4400	95	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4400	260	ug/kg	
127-18-4	Tetrachloroethene	ND	4400	130	ug/kg	
108-88-3	Toluene	807	890	260	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	4400	110	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-11-16	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-9	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	67.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	4400	160	ug/kg	
79-01-6	Trichloroethene	ND	4400	470	ug/kg	
75-01-4	Vinyl chloride	ND	4400	160	ug/kg	
1330-20-7	Xylene (total)	19800	1800	420	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	107%		65-132%
2037-26-5	Toluene-D8	88%		74-129%
460-00-4	4-Bromofluorobenzene	93%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-11-16		
Lab Sample ID:	JA38355-9	Date Sampled:	01/21/10
Matrix:	SO - Soil	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	67.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M71025.D	1	02/06/10	LP	01/29/10	OP42028	EM2684
Run #2	M71018.D	5	02/05/10	LP	01/29/10	OP42028	EM2684

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	210	43	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	43	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	69	ug/kg	
105-67-9	2,4-Dimethylphenol	3750	210	72	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	850	52	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	850	52	ug/kg	
95-48-7	2-Methylphenol	ND	85	49	ug/kg	
	3&4-Methylphenol	ND	85	54	ug/kg	
88-75-5	2-Nitrophenol	ND	210	45	ug/kg	
100-02-7	4-Nitrophenol	ND	430	72	ug/kg	
87-86-5	Pentachlorophenol	ND	430	73	ug/kg	
108-95-2	Phenol	94.8	85	45	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	49	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	40	ug/kg	
83-32-9	Acenaphthene	1020	43	12	ug/kg	
208-96-8	Acenaphthylene	90.9	43	14	ug/kg	
120-12-7	Anthracene	739	43	15	ug/kg	
56-55-3	Benzo(a)anthracene	459	43	14	ug/kg	
50-32-8	Benzo(a)pyrene	401	43	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	368	43	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	241	43	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	185	43	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	85	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	85	25	ug/kg	
91-58-7	2-Chloronaphthalene	ND	85	13	ug/kg	
106-47-8	4-Chloroaniline	ND	210	14	ug/kg	
86-74-8	Carbazole	176	85	20	ug/kg	
218-01-9	Chrysene	468	43	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	85	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	85	13	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	85	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	85	13	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-16	Date Sampled:	01/21/10
Lab Sample ID:	JA38355-9	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	67.1
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	85	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	85	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	85	9.5	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	85	19	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	85	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	210	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	68.0	43	15	ug/kg	
132-64-9	Dibenzofuran	868	85	13	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	85	9.5	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	85	21	ug/kg	
84-66-2	Diethyl phthalate	ND	85	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	85	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	85	38	ug/kg	
206-44-0	Fluoranthene	1660	43	19	ug/kg	
86-73-7	Fluorene	698	43	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	85	14	ug/kg	
87-68-3	Hexachlorobutadiene	ND	43	12	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	850	43	ug/kg	
67-72-1	Hexachloroethane	ND	210	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	210	43	15	ug/kg	
78-59-1	Isophorone	ND	85	11	ug/kg	
91-57-6	2-Methylnaphthalene	819	85	24	ug/kg	
88-74-4	2-Nitroaniline	ND	210	19	ug/kg	
99-09-2	3-Nitroaniline	ND	210	17	ug/kg	
100-01-6	4-Nitroaniline	ND	210	17	ug/kg	
91-20-3	Naphthalene	5520 ^a	210	58	ug/kg	
98-95-3	Nitrobenzene	ND	85	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	85	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	25	ug/kg	
85-01-8	Phenanthrene	2030	43	19	ug/kg	
129-00-0	Pyrene	1430	43	16	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	85	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%	51%	30-109%
4165-62-2	Phenol-d5	69%	55%	28-108%
118-79-6	2,4,6-Tribromophenol	87%	65%	28-125%
4165-60-0	Nitrobenzene-d5	94%	74%	28-113%
321-60-8	2-Fluorobiphenyl	105%	88%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-16		
Lab Sample ID:	JA38355-9	Date Sampled:	01/21/10
Matrix:	SO - Soil	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	67.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	114%	91%	31-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-11-8	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-10	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	88.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164856.D	1	02/03/10	TDN	n/a	n/a	VD6640
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.5 g	10.0 ml	2.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	30000	6700	ug/kg	
71-43-2	Benzene	ND	3000	1000	ug/kg	
75-27-4	Bromodichloromethane	ND	15000	780	ug/kg	
75-25-2	Bromoform	ND	15000	460	ug/kg	
74-83-9	Bromomethane	ND	15000	1200	ug/kg	
78-93-3	2-Butanone (MEK)	ND	30000	6000	ug/kg	
75-15-0	Carbon disulfide	ND	15000	920	ug/kg	
56-23-5	Carbon tetrachloride	ND	15000	1700	ug/kg	
108-90-7	Chlorobenzene	ND	15000	1000	ug/kg	
75-00-3	Chloroethane	ND	15000	3000	ug/kg	
67-66-3	Chloroform	ND	15000	960	ug/kg	
74-87-3	Chloromethane	ND	15000	500	ug/kg	
124-48-1	Dibromochloromethane	ND	15000	330	ug/kg	
75-34-3	1,1-Dichloroethane	ND	15000	420	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3000	1000	ug/kg	
75-35-4	1,1-Dichloroethene	ND	15000	2000	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	15000	720	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	15000	1400	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	15000	720	ug/kg	
78-87-5	1,2-Dichloropropane	ND	15000	390	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	15000	400	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	15000	290	ug/kg	
100-41-4	Ethylbenzene	6160	3000	1100	ug/kg	
591-78-6	2-Hexanone	ND	15000	2900	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3000	850	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	15000	2500	ug/kg	
75-09-2	Methylene chloride	ND	15000	670	ug/kg	
100-42-5	Styrene	ND	15000	320	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	15000	890	ug/kg	
127-18-4	Tetrachloroethene	ND	15000	440	ug/kg	
108-88-3	Toluene	6140	3000	880	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	15000	390	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.10

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Client Sample ID:	PI-11-8	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-10	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	88.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	15000	560	ug/kg	
79-01-6	Trichloroethene	ND	15000	1600	ug/kg	
75-01-4	Vinyl chloride	ND	15000	540	ug/kg	
1330-20-7	Xylene (total)	46500	6000	1400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	107%		65-132%
2037-26-5	Toluene-D8	87%		74-129%
460-00-4	4-Bromofluorobenzene	91%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-8	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-10	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	88.4
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M71019.D	5	02/05/10	LP	01/29/10	OP42028	EM2684
Run #2	M71026.D	50	02/06/10	LP	01/29/10	OP42028	EM2684
Run #3	M71050.D	2000	02/06/10	LP	01/29/10	OP42028	EM2684

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2	35.1 g	1.0 ml
Run #3	35.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	810	160	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	810	160	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	810	260	ug/kg	
105-67-9	2,4-Dimethylphenol	59400 ^a	8100	2700	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	3200	200	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	3200	200	ug/kg	
95-48-7	2-Methylphenol	29400 ^a	3200	1800	ug/kg	
	3&4-Methylphenol	76200 ^a	3200	2000	ug/kg	
88-75-5	2-Nitrophenol	ND	810	170	ug/kg	
100-02-7	4-Nitrophenol	ND	1600	270	ug/kg	
87-86-5	Pentachlorophenol	ND	1600	280	ug/kg	
108-95-2	Phenol	16500 ^a	3200	1700	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	810	190	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	810	150	ug/kg	
83-32-9	Acenaphthene	288000 ^b	64000	19000	ug/kg	
208-96-8	Acenaphthylene	2190	160	52	ug/kg	
120-12-7	Anthracene	212000 ^b	64000	23000	ug/kg	
56-55-3	Benzo(a)anthracene	145000 ^a	1600	530	ug/kg	
50-32-8	Benzo(a)pyrene	124000 ^a	1600	490	ug/kg	
205-99-2	Benzo(b)fluoranthene	126000 ^a	1600	540	ug/kg	
191-24-2	Benzo(g,h,i)perylene	61900 ^a	1600	600	ug/kg	
207-08-9	Benzo(k)fluoranthene	54300 ^a	1600	610	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	320	58	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	320	93	ug/kg	
91-58-7	2-Chloronaphthalene	ND	320	50	ug/kg	
106-47-8	4-Chloroaniline	ND	810	52	ug/kg	
86-74-8	Carbazole	72200 ^a	3200	750	ug/kg	
218-01-9	Chrysene	169000 ^b	64000	22000	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	320	65	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	320	49	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-8	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-10	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	88.4
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	320	48	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	320	49	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	320	46	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	320	43	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	320	36	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	320	70	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	320	61	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	810	41	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	20600 ^a	1600	550	ug/kg	
132-64-9	Dibenzofuran	228000 ^b	130000	19000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	320	36	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	320	78	ug/kg	
84-66-2	Diethyl phthalate	ND	320	55	ug/kg	
131-11-3	Dimethyl phthalate	ND	320	57	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	320	140	ug/kg	
206-44-0	Fluoranthene	468000 ^b	64000	28000	ug/kg	
86-73-7	Fluorene	251000 ^b	64000	21000	ug/kg	
118-74-1	Hexachlorobenzene	ND	320	53	ug/kg	
87-68-3	Hexachlorobutadiene	ND	160	45	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	3200	160	ug/kg	
67-72-1	Hexachloroethane	ND	810	45	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	56100 ^a	1600	560	ug/kg	
78-59-1	Isophorone	ND	320	43	ug/kg	
91-57-6	2-Methylnaphthalene	274000 ^b	130000	36000	ug/kg	
88-74-4	2-Nitroaniline	ND	810	71	ug/kg	
99-09-2	3-Nitroaniline	ND	810	64	ug/kg	
100-01-6	4-Nitroaniline	ND	810	63	ug/kg	
91-20-3	Naphthalene	939000 ^b	64000	18000	ug/kg	
98-95-3	Nitrobenzene	ND	320	47	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	320	39	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	810	96	ug/kg	
85-01-8	Phenanthrene	852000 ^b	64000	29000	ug/kg	
129-00-0	Pyrene	394000 ^b	64000	25000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	320	43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	49%	0% ^c	0% ^c	30-109%
4165-62-2	Phenol-d5	59%	0% ^c	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	9% ^d	0% ^c	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-8			Date Sampled:	01/22/10
Lab Sample ID:	JA38355-10			Date Received:	01/22/10
Matrix:	SO - Soil			Percent Solids:	88.4
Method:	SW846 8270C SW846 3510C				
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY				

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	46%	0% ^c	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	66%	0% ^c	0% ^c	38-107%
1718-51-0	Terphenyl-d14	49%	0% ^c	0% ^c	31-116%

- (a) Result is from Run# 2
 (b) Result is from Run# 3
 (c) Outside control limits due to dilution.
 (d) Outside control limits due to dilution and matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-13	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-11	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164970.D	1	02/05/10	TDN	n/a	n/a	VD6645
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3200	720	ug/kg	
71-43-2	Benzene	ND	320	110	ug/kg	
75-27-4	Bromodichloromethane	ND	1600	83	ug/kg	
75-25-2	Bromoform	ND	1600	49	ug/kg	
74-83-9	Bromomethane	ND	1600	130	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3200	640	ug/kg	
75-15-0	Carbon disulfide	ND	1600	99	ug/kg	
56-23-5	Carbon tetrachloride	ND	1600	180	ug/kg	
108-90-7	Chlorobenzene	ND	1600	110	ug/kg	
75-00-3	Chloroethane	ND	1600	320	ug/kg	
67-66-3	Chloroform	ND	1600	100	ug/kg	
74-87-3	Chloromethane	ND	1600	53	ug/kg	
124-48-1	Dibromochloromethane	ND	1600	36	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1600	45	ug/kg	
107-06-2	1,2-Dichloroethane	ND	320	110	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1600	210	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1600	77	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1600	150	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	1600	77	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1600	42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1600	43	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1600	31	ug/kg	
100-41-4	Ethylbenzene	155	320	120	ug/kg	J
591-78-6	2-Hexanone	ND	1600	310	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	320	91	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	1600	260	ug/kg	
75-09-2	Methylene chloride	ND	1600	72	ug/kg	
100-42-5	Styrene	ND	1600	35	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1600	95	ug/kg	
127-18-4	Tetrachloroethene	ND	1600	47	ug/kg	
108-88-3	Toluene	103	320	95	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	1600	41	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-13	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-11	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1600	60	ug/kg	
79-01-6	Trichloroethene	ND	1600	170	ug/kg	
75-01-4	Vinyl chloride	ND	1600	58	ug/kg	
1330-20-7	Xylene (total)	933	650	150	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	109%		65-132%
2037-26-5	Toluene-D8	90%		74-129%
460-00-4	4-Bromofluorobenzene	95%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-13	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-11	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M71020.D	5	02/05/10	LP	01/29/10	OP42028	EM2684
Run #2	M71043.D	200	02/06/10	LP	01/29/10	OP42028	EM2684

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	820	160	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	820	160	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	820	260	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	820	270	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	3300	200	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	3300	200	ug/kg	
95-48-7	2-Methylphenol	ND	330	190	ug/kg	
	3&4-Methylphenol	ND	330	210	ug/kg	
88-75-5	2-Nitrophenol	ND	820	170	ug/kg	
100-02-7	4-Nitrophenol	ND	1600	280	ug/kg	
87-86-5	Pentachlorophenol	ND	1600	280	ug/kg	
108-95-2	Phenol	ND	330	170	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	820	190	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	820	150	ug/kg	
83-32-9	Acenaphthene	84300 ^a	6500	1900	ug/kg	
208-96-8	Acenaphthylene	663	160	52	ug/kg	
120-12-7	Anthracene	32800 ^a	6500	2300	ug/kg	
56-55-3	Benzo(a)anthracene	9130	160	53	ug/kg	
50-32-8	Benzo(a)pyrene	5440	160	50	ug/kg	
205-99-2	Benzo(b)fluoranthene	6260	160	54	ug/kg	
191-24-2	Benzo(g,h,i)perylene	2440	160	61	ug/kg	
207-08-9	Benzo(k)fluoranthene	2750	160	61	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	330	59	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	94	ug/kg	
91-58-7	2-Chloronaphthalene	ND	330	51	ug/kg	
106-47-8	4-Chloroaniline	ND	820	52	ug/kg	
86-74-8	Carbazole	8840	330	76	ug/kg	
218-01-9	Chrysene	8670	160	55	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	330	66	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	330	49	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	330	48	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	330	49	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-13	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-11	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	87.1
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	330	47	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	330	44	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	330	36	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	330	71	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	330	62	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	820	41	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	877	160	56	ug/kg	
132-64-9	Dibenzofuran	64900 ^a	13000	1900	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	36	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	79	ug/kg	
84-66-2	Diethyl phthalate	ND	330	56	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	57	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	140	ug/kg	
206-44-0	Fluoranthene	42700 ^a	6500	2900	ug/kg	
86-73-7	Fluorene	62700 ^a	6500	2100	ug/kg	
118-74-1	Hexachlorobenzene	ND	330	53	ug/kg	
87-68-3	Hexachlorobutadiene	ND	160	45	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	3300	170	ug/kg	
67-72-1	Hexachloroethane	ND	820	45	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	2220	160	57	ug/kg	
78-59-1	Isophorone	ND	330	44	ug/kg	
91-57-6	2-Methylnaphthalene	11600	330	91	ug/kg	
88-74-4	2-Nitroaniline	ND	820	72	ug/kg	
99-09-2	3-Nitroaniline	ND	820	65	ug/kg	
100-01-6	4-Nitroaniline	ND	820	64	ug/kg	
91-20-3	Naphthalene	96500 ^a	6500	1800	ug/kg	
98-95-3	Nitrobenzene	ND	330	47	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	330	40	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	820	97	ug/kg	
85-01-8	Phenanthrene	143000 ^a	6500	3000	ug/kg	
129-00-0	Pyrene	35300 ^a	6500	2500	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	330	43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%	0% ^b	30-109%
4165-62-2	Phenol-d5	51%	0% ^b	28-108%
118-79-6	2,4,6-Tribromophenol	59%	0% ^b	28-125%
4165-60-0	Nitrobenzene-d5	69%	0% ^b	28-113%
321-60-8	2-Fluorobiphenyl	80%	0% ^b	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-13		
Lab Sample ID:	JA38355-11	Date Sampled:	01/22/10
Matrix:	SO - Soil	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	87.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	71%	0% ^b	31-116%

- (a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-5	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-12	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164859.D	1	02/03/10	TDN	n/a	n/a	VD6640
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	12.1 g	10.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3100	690	ug/kg	
71-43-2	Benzene	ND	310	110	ug/kg	
75-27-4	Bromodichloromethane	ND	1600	80	ug/kg	
75-25-2	Bromoform	ND	1600	47	ug/kg	
74-83-9	Bromomethane	ND	1600	130	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3100	610	ug/kg	
75-15-0	Carbon disulfide	ND	1600	95	ug/kg	
56-23-5	Carbon tetrachloride	ND	1600	170	ug/kg	
108-90-7	Chlorobenzene	ND	1600	110	ug/kg	
75-00-3	Chloroethane	ND	1600	310	ug/kg	
67-66-3	Chloroform	ND	1600	99	ug/kg	
74-87-3	Chloromethane	ND	1600	51	ug/kg	
124-48-1	Dibromochloromethane	ND	1600	34	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1600	43	ug/kg	
107-06-2	1,2-Dichloroethane	ND	310	110	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1600	210	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1600	74	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1600	140	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	1600	74	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1600	40	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1600	41	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1600	30	ug/kg	
100-41-4	Ethylbenzene	14600	310	120	ug/kg	
591-78-6	2-Hexanone	ND	1600	300	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	310	88	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	1600	250	ug/kg	
75-09-2	Methylene chloride	ND	1600	69	ug/kg	
100-42-5	Styrene	ND	1600	33	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1600	91	ug/kg	
127-18-4	Tetrachloroethene	ND	1600	45	ug/kg	
108-88-3	Toluene	221	310	91	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	1600	40	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-11-5	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-12	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1600	58	ug/kg	
79-01-6	Trichloroethene	ND	1600	160	ug/kg	
75-01-4	Vinyl chloride	ND	1600	55	ug/kg	
1330-20-7	Xylene (total)	21200	620	150	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	107%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	92%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-11-5	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-12	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M71021.D	5	02/05/10	LP	01/29/10	OP42028	EM2684
Run #2	M71094.D	400	02/09/10	LP	01/29/10	OP42028	EM2686

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2	35.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	880	180	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	880	180	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	880	280	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	880	290	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	3500	210	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	3500	210	ug/kg	
95-48-7	2-Methylphenol	ND	350	200	ug/kg	
	3&4-Methylphenol	ND	350	220	ug/kg	
88-75-5	2-Nitrophenol	ND	880	190	ug/kg	
100-02-7	4-Nitrophenol	ND	1800	300	ug/kg	
87-86-5	Pentachlorophenol	ND	1800	300	ug/kg	
108-95-2	Phenol	ND	350	180	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	880	200	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	880	160	ug/kg	
83-32-9	Acenaphthene	126000 ^a	14000	4100	ug/kg	
208-96-8	Acenaphthylene	2840	180	56	ug/kg	
120-12-7	Anthracene	63100 ^a	14000	4900	ug/kg	
56-55-3	Benzo(a)anthracene	11900	180	57	ug/kg	
50-32-8	Benzo(a)pyrene	3430	180	53	ug/kg	
205-99-2	Benzo(b)fluoranthene	3370	180	58	ug/kg	
191-24-2	Benzo(g,h,i)perylene	991	180	65	ug/kg	
207-08-9	Benzo(k)fluoranthene	2870	180	66	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	350	64	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	100	ug/kg	
91-58-7	2-Chloronaphthalene	ND	350	54	ug/kg	
106-47-8	4-Chloroaniline	ND	880	56	ug/kg	
86-74-8	Carbazole	13000	350	81	ug/kg	
218-01-9	Chrysene	11400	180	59	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	350	71	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	350	53	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	350	52	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	350	53	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-5	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-12	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	350	50	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	350	47	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	350	39	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	350	76	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	350	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	880	44	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	397	180	60	ug/kg	
132-64-9	Dibenzofuran	89600 ^a	28000	4200	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	350	39	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	85	ug/kg	
84-66-2	Diethyl phthalate	ND	350	60	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	62	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	150	ug/kg	
206-44-0	Fluoranthene	93300 ^a	14000	6200	ug/kg	
86-73-7	Fluorene	88500 ^a	14000	4600	ug/kg	
118-74-1	Hexachlorobenzene	ND	350	57	ug/kg	
87-68-3	Hexachlorobutadiene	ND	180	49	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	3500	180	ug/kg	
67-72-1	Hexachloroethane	ND	880	49	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	964	180	61	ug/kg	
78-59-1	Isophorone	ND	350	47	ug/kg	
91-57-6	2-Methylnaphthalene	142000 ^a	28000	7800	ug/kg	
88-74-4	2-Nitroaniline	ND	880	77	ug/kg	
99-09-2	3-Nitroaniline	ND	880	70	ug/kg	
100-01-6	4-Nitroaniline	ND	880	68	ug/kg	
91-20-3	Naphthalene	731000 ^a	14000	3800	ug/kg	
98-95-3	Nitrobenzene	ND	350	51	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	350	43	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	880	100	ug/kg	
85-01-8	Phenanthrene	312000 ^a	14000	6400	ug/kg	
129-00-0	Pyrene	71000 ^a	14000	5400	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	350	47	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%	0% ^b	30-109%
4165-62-2	Phenol-d5	64%	0% ^b	28-108%
118-79-6	2,4,6-Tribromophenol	62%	0% ^b	28-125%
4165-60-0	Nitrobenzene-d5	57%	0% ^b	28-113%
321-60-8	2-Fluorobiphenyl	93%	0% ^b	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-5		
Lab Sample ID:	JA38355-12	Date Sampled:	01/22/10
Matrix:	SO - Soil	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	81.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	96%	0% ^b	31-116%

- (a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-S7	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-13	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D41630.D	1	01/28/10	TYG	n/a	n/a	V3D1820
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	21.5	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	1.0	2.0	0.74	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	59.8	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	31.4	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-11-S7	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-13	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	126	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		76-120%
17060-07-0	1,2-Dichloroethane-D4	92%		64-135%
2037-26-5	Toluene-D8	88%		76-117%
460-00-4	4-Bromofluorobenzene	87%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-S7	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-13	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P47744.D	1	02/05/10	NAP	01/26/10	OP41976	EP2036
Run #2	P47763.D	20	02/08/10	NAP	01/26/10	OP41976	EP2037

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	319 ^a	20	7.3	ug/l	
208-96-8	Acenaphthylene	1.2	1.0	0.27	ug/l	
120-12-7	Anthracene	4.4	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	0.55	1.0	0.12	ug/l	J
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	24.6	2.0	0.17	ug/l	
218-01-9	Chrysene	0.46	1.0	0.11	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-S7	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-13	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	64.3	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	5.3	2.0	0.33	ug/l	
206-44-0	Fluoranthene	3.9	1.0	0.17	ug/l	
86-73-7	Fluorene	16.3	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	60.0	2.0	0.66	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	1220 ^a	20	8.5	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	23.7	1.0	0.21	ug/l	
129-00-0	Pyrene	2.6	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	30%	38%	13-68%
4165-62-2	Phenol-d5	23%	26%	10-49%
118-79-6	2,4,6-Tribromophenol	70%	88%	37-130%
4165-60-0	Nitrobenzene-d5	73%	114% ^b	25-112%
321-60-8	2-Fluorobiphenyl	69%	110% ^b	31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-S7		
Lab Sample ID:	JA38355-13	Date Sampled:	01/22/10
Matrix:	AQ - Ground Water	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	66%	105%	14-122%

- (a) Result is from Run# 2
(b) Outside of in house control limits due to dilution, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-11-4	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-14	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y96660.D	1	02/03/10	HJK	n/a	n/a	VY4082
Run #2							

	Initial Weight
Run #1	4.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	23.7	14	3.1	ug/kg	
71-43-2	Benzene	0.54	1.4	0.48	ug/kg	J
75-27-4	Bromodichloromethane	ND	7.0	0.36	ug/kg	
75-25-2	Bromoform	ND	7.0	0.21	ug/kg	
74-83-9	Bromomethane	ND	7.0	0.57	ug/kg	
78-93-3	2-Butanone (MEK)	ND	14	2.8	ug/kg	
75-15-0	Carbon disulfide	1.1	7.0	0.43	ug/kg	J
56-23-5	Carbon tetrachloride	ND	7.0	0.78	ug/kg	
108-90-7	Chlorobenzene	ND	7.0	0.47	ug/kg	
75-00-3	Chloroethane	ND	7.0	1.4	ug/kg	
67-66-3	Chloroform	ND	7.0	0.44	ug/kg	
74-87-3	Chloromethane	ND	7.0	0.23	ug/kg	
124-48-1	Dibromochloromethane	ND	7.0	0.15	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.0	0.19	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.48	ug/kg	
75-35-4	1,1-Dichloroethene	ND	7.0	0.93	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	7.0	0.33	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	7.0	0.63	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	7.0	0.33	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.0	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.0	0.19	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.0	0.13	ug/kg	
100-41-4	Ethylbenzene	0.63	1.4	0.52	ug/kg	J
591-78-6	2-Hexanone	ND	7.0	1.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.4	0.39	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.0	1.1	ug/kg	
75-09-2	Methylene chloride	ND	7.0	0.31	ug/kg	
100-42-5	Styrene	ND	7.0	0.15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.0	0.41	ug/kg	
127-18-4	Tetrachloroethene	ND	7.0	0.20	ug/kg	
108-88-3	Toluene	ND	1.4	0.41	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.0	0.18	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.14

3

Client Sample ID:	PI-11-4	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-14	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	7.0	0.26	ug/kg	
79-01-6	Trichloroethene	ND	7.0	0.74	ug/kg	
75-01-4	Vinyl chloride	ND	7.0	0.25	ug/kg	
1330-20-7	Xylene (total)	ND	2.8	0.66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	89%		65-132%
2037-26-5	Toluene-D8	97%		74-129%
460-00-4	4-Bromofluorobenzene	86%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3.14

3

Client Sample ID:	PI-11-4	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-14	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M71001.D	1	02/05/10	LP	01/29/10	OP42028	EM2683
Run #2							

Run #	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	55	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	690	42	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	690	42	ug/kg	
95-48-7	2-Methylphenol	ND	69	39	ug/kg	
	3&4-Methylphenol	ND	69	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	58	ug/kg	
87-86-5	Pentachlorophenol	ND	340	59	ug/kg	
108-95-2	Phenol	ND	69	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	746	34	10	ug/kg	
208-96-8	Acenaphthylene	22.6	34	11	ug/kg	J
120-12-7	Anthracene	787	34	12	ug/kg	
56-55-3	Benzo(a)anthracene	172	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	101	34	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	120	34	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	53.8	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	58.1	34	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	11	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	326	69	16	ug/kg	
218-01-9	Chrysene	166	34	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	69	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	10	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-4	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-14	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	69	9.9	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	69	9.2	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	69	7.7	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	69	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	69	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.7	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	12	ug/kg	
132-64-9	Dibenzofuran	637	69	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	7.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	17	ug/kg	
84-66-2	Diethyl phthalate	ND	69	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	30	ug/kg	
206-44-0	Fluoranthene	808	34	15	ug/kg	
86-73-7	Fluorene	708	34	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.6	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.6	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	53.1	34	12	ug/kg	
78-59-1	Isophorone	ND	69	9.2	ug/kg	
91-57-6	2-Methylnaphthalene	546	69	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	1900	34	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	69	9.9	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	8.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	21	ug/kg	
85-01-8	Phenanthrene	2400	34	16	ug/kg	
129-00-0	Pyrene	686	34	13	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	69	9.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%		30-109%
4165-62-2	Phenol-d5	51%		28-108%
118-79-6	2,4,6-Tribromophenol	70%		28-125%
4165-60-0	Nitrobenzene-d5	65%		28-113%
321-60-8	2-Fluorobiphenyl	80%		38-107%

ND = Not detected MDL - Method Detection Limit

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E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-4			Date Sampled:	01/22/10
Lab Sample ID:	JA38355-14			Date Received:	01/22/10
Matrix:	SO - Soil			Percent Solids:	83.1
Method:	SW846 8270C SW846 3510C				
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY				

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	97%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-2	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-15	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	81.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164858.D	1	02/03/10	TDN	n/a	n/a	VD6640
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.5 g	10.0 ml	10.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	7000	1600	ug/kg	
71-43-2	Benzene	ND	700	240	ug/kg	
75-27-4	Bromodichloromethane	ND	3500	180	ug/kg	
75-25-2	Bromoform	ND	3500	110	ug/kg	
74-83-9	Bromomethane	ND	3500	280	ug/kg	
78-93-3	2-Butanone (MEK)	ND	7000	1400	ug/kg	
75-15-0	Carbon disulfide	ND	3500	210	ug/kg	
56-23-5	Carbon tetrachloride	ND	3500	390	ug/kg	
108-90-7	Chlorobenzene	ND	3500	240	ug/kg	
75-00-3	Chloroethane	ND	3500	700	ug/kg	
67-66-3	Chloroform	ND	3500	220	ug/kg	
74-87-3	Chloromethane	ND	3500	110	ug/kg	
124-48-1	Dibromochloromethane	ND	3500	77	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3500	96	ug/kg	
107-06-2	1,2-Dichloroethane	ND	700	240	ug/kg	
75-35-4	1,1-Dichloroethene	ND	3500	460	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	3500	170	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	3500	310	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	3500	170	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3500	91	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3500	93	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3500	67	ug/kg	
100-41-4	Ethylbenzene	30100	700	260	ug/kg	
591-78-6	2-Hexanone	ND	3500	670	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	700	200	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3500	560	ug/kg	
75-09-2	Methylene chloride	ND	3500	160	ug/kg	
100-42-5	Styrene	ND	3500	75	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3500	200	ug/kg	
127-18-4	Tetrachloroethene	ND	3500	100	ug/kg	
108-88-3	Toluene	403	700	200	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	3500	89	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.15

3

Client Sample ID:	PI-11-2	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-15	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	81.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	3500	130	ug/kg	
79-01-6	Trichloroethene	ND	3500	370	ug/kg	
75-01-4	Vinyl chloride	ND	3500	120	ug/kg	
1330-20-7	Xylene (total)	34900	1400	330	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	109%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	91%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-11-2	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-15	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	81.6
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M71022.D	5	02/05/10	LP	01/29/10	OP42028	EM2684
Run #2	M71046.D	200	02/06/10	LP	01/29/10	OP42028	EM2684

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2	35.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	870	180	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	870	170	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	870	280	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	870	290	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	3500	210	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	3500	210	ug/kg	
95-48-7	2-Methylphenol	ND	350	200	ug/kg	
	3&4-Methylphenol	ND	350	220	ug/kg	
88-75-5	2-Nitrophenol	ND	870	190	ug/kg	
100-02-7	4-Nitrophenol	ND	1700	300	ug/kg	
87-86-5	Pentachlorophenol	ND	1700	300	ug/kg	
108-95-2	Phenol	ND	350	180	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	870	200	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	870	160	ug/kg	
83-32-9	Acenaphthene	70000 ^a	7000	2000	ug/kg	
208-96-8	Acenaphthylene	473	170	56	ug/kg	
120-12-7	Anthracene	27000 ^a	7000	2400	ug/kg	
56-55-3	Benzo(a)anthracene	7760	170	57	ug/kg	
50-32-8	Benzo(a)pyrene	4100	170	53	ug/kg	
205-99-2	Benzo(b)fluoranthene	3790	170	58	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1920	170	65	ug/kg	
207-08-9	Benzo(k)fluoranthene	2620	170	66	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	350	63	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	350	100	ug/kg	
91-58-7	2-Chloronaphthalene	ND	350	54	ug/kg	
106-47-8	4-Chloroaniline	ND	870	56	ug/kg	
86-74-8	Carbazole	7320	350	81	ug/kg	
218-01-9	Chrysene	7430	170	59	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	350	71	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	350	53	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	350	52	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	350	53	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-2	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-15	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	81.6
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	350	50	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	350	47	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	350	39	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	350	76	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	350	67	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	870	44	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	655	170	60	ug/kg	
132-64-9	Dibenzofuran	49700 ^a	14000	2100	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	350	39	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	350	85	ug/kg	
84-66-2	Diethyl phthalate	ND	350	60	ug/kg	
131-11-3	Dimethyl phthalate	ND	350	61	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	350	150	ug/kg	
206-44-0	Fluoranthene	49400 ^a	7000	3100	ug/kg	
86-73-7	Fluorene	43000 ^a	7000	2300	ug/kg	
118-74-1	Hexachlorobenzene	ND	350	57	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	49	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	3500	180	ug/kg	
67-72-1	Hexachloroethane	ND	870	49	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1740	170	61	ug/kg	
78-59-1	Isophorone	ND	350	47	ug/kg	
91-57-6	2-Methylnaphthalene	72700 ^a	14000	3900	ug/kg	
88-74-4	2-Nitroaniline	ND	870	77	ug/kg	
99-09-2	3-Nitroaniline	ND	870	70	ug/kg	
100-01-6	4-Nitroaniline	ND	870	68	ug/kg	
91-20-3	Naphthalene	322000 ^a	7000	1900	ug/kg	
98-95-3	Nitrobenzene	ND	350	50	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	350	43	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	870	100	ug/kg	
85-01-8	Phenanthrene	146000 ^a	7000	3200	ug/kg	
129-00-0	Pyrene	35900 ^a	7000	2700	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	350	46	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%	0% ^b	30-109%
4165-62-2	Phenol-d5	48%	0% ^b	28-108%
118-79-6	2,4,6-Tribromophenol	55%	0% ^b	28-125%
4165-60-0	Nitrobenzene-d5	54%	0% ^b	28-113%
321-60-8	2-Fluorobiphenyl	74%	0% ^b	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-2		
Lab Sample ID:	JA38355-15	Date Sampled:	01/22/10
Matrix:	SO - Soil	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	81.6
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	80%	0% ^b	31-116%

- (a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-11-14	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-16	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	85.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164850.D	1	02/02/10	TDN	n/a	n/a	VD6640
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	12.0 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	580	130	ug/kg	
71-43-2	Benzene	ND	58	20	ug/kg	
75-27-4	Bromodichloromethane	ND	290	15	ug/kg	
75-25-2	Bromoform	ND	290	8.7	ug/kg	
74-83-9	Bromomethane	ND	290	23	ug/kg	
78-93-3	2-Butanone (MEK)	ND	580	110	ug/kg	
75-15-0	Carbon disulfide	ND	290	18	ug/kg	
56-23-5	Carbon tetrachloride	ND	290	32	ug/kg	
108-90-7	Chlorobenzene	ND	290	20	ug/kg	
75-00-3	Chloroethane	ND	290	58	ug/kg	
67-66-3	Chloroform	ND	290	18	ug/kg	
74-87-3	Chloromethane	ND	290	9.5	ug/kg	
124-48-1	Dibromochloromethane	ND	290	6.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	290	8.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	58	20	ug/kg	
75-35-4	1,1-Dichloroethene	ND	290	38	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	290	14	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	290	26	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	290	14	ug/kg	
78-87-5	1,2-Dichloropropane	ND	290	7.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	290	7.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	290	5.6	ug/kg	
100-41-4	Ethylbenzene	1730	58	21	ug/kg	
591-78-6	2-Hexanone	ND	290	56	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	58	16	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	290	47	ug/kg	
75-09-2	Methylene chloride	ND	290	13	ug/kg	
100-42-5	Styrene	ND	290	6.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	290	17	ug/kg	
127-18-4	Tetrachloroethene	ND	290	8.4	ug/kg	
108-88-3	Toluene	ND	58	17	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	290	7.4	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.16

3

Client Sample ID:	PI-11-14	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-16	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	85.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	290	11	ug/kg	
79-01-6	Trichloroethene	ND	290	30	ug/kg	
75-01-4	Vinyl chloride	ND	290	10	ug/kg	
1330-20-7	Xylene (total)	1750	120	27	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	109%		65-132%
2037-26-5	Toluene-D8	88%		74-129%
460-00-4	4-Bromofluorobenzene	93%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-14		
Lab Sample ID:	JA38355-16	Date Sampled:	01/22/10
Matrix:	SO - Soil	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	85.0
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M71023.D	5	02/05/10	LP	01/29/10	OP42028	EM2684
Run #2	M71047.D	200	02/06/10	LP	01/29/10	OP42028	EM2684

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	840	170	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	840	170	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	840	270	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	840	280	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	3300	200	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	3300	200	ug/kg	
95-48-7	2-Methylphenol	ND	330	190	ug/kg	
	3&4-Methylphenol	ND	330	210	ug/kg	
88-75-5	2-Nitrophenol	ND	840	180	ug/kg	
100-02-7	4-Nitrophenol	ND	1700	280	ug/kg	
87-86-5	Pentachlorophenol	ND	1700	290	ug/kg	
108-95-2	Phenol	ND	330	180	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	840	190	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	840	160	ug/kg	
83-32-9	Acenaphthene	15400	170	48	ug/kg	
208-96-8	Acenaphthylene	571	170	53	ug/kg	
120-12-7	Anthracene	12000	170	58	ug/kg	
56-55-3	Benzo(a)anthracene	8290	170	54	ug/kg	
50-32-8	Benzo(a)pyrene	7650	170	51	ug/kg	
205-99-2	Benzo(b)fluoranthene	6450	170	56	ug/kg	
191-24-2	Benzo(g,h,i)perylene	4470	170	62	ug/kg	
207-08-9	Benzo(k)fluoranthene	5370	170	63	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	330	61	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	97	ug/kg	
91-58-7	2-Chloronaphthalene	ND	330	52	ug/kg	
106-47-8	4-Chloroaniline	ND	840	53	ug/kg	
86-74-8	Carbazole	3420	330	77	ug/kg	
218-01-9	Chrysene	9080	170	56	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	330	68	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	330	50	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	330	50	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	330	50	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID:	PI-11-14	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-16	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	85.0
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	330	48	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	330	45	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	330	37	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	330	73	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	330	64	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	840	42	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1420	170	57	ug/kg	
132-64-9	Dibenzofuran	11000	330	50	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	37	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	81	ug/kg	
84-66-2	Diethyl phthalate	ND	330	57	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	59	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	150	ug/kg	
206-44-0	Fluoranthene	30900 ^a	6700	2900	ug/kg	
86-73-7	Fluorene	14200	170	55	ug/kg	
118-74-1	Hexachlorobenzene	ND	330	54	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	46	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	3300	170	ug/kg	
67-72-1	Hexachloroethane	ND	840	46	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	4070	170	58	ug/kg	
78-59-1	Isophorone	ND	330	45	ug/kg	
91-57-6	2-Methylnaphthalene	1790	330	93	ug/kg	
88-74-4	2-Nitroaniline	ND	840	74	ug/kg	
99-09-2	3-Nitroaniline	ND	840	67	ug/kg	
100-01-6	4-Nitroaniline	ND	840	65	ug/kg	
91-20-3	Naphthalene	5140	170	46	ug/kg	
98-95-3	Nitrobenzene	ND	330	48	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	330	41	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	840	100	ug/kg	
85-01-8	Phenanthrene	50800 ^a	6700	3000	ug/kg	
129-00-0	Pyrene	25900 ^a	6700	2600	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	330	44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%	0% ^b	30-109%
4165-62-2	Phenol-d5	46%	0% ^b	28-108%
118-79-6	2,4,6-Tribromophenol	48%	0% ^b	28-125%
4165-60-0	Nitrobenzene-d5	66%	0% ^b	28-113%
321-60-8	2-Fluorobiphenyl	74%	0% ^b	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-14		
Lab Sample ID:	JA38355-16	Date Sampled:	01/22/10
Matrix:	SO - Soil	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	85.0
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	74%	0% ^b	31-116%

- (a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-S1	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-17	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P47759.D	10	02/08/10	NAP	01/26/10	OP41976	EP2037
Run #2	P47764.D	200	02/08/10	NAP	01/26/10	OP41976	EP2037

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	50	11	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	50	11	ug/l	
120-83-2	2,4-Dichlorophenol	ND	50	12	ug/l	
105-67-9	2,4-Dimethylphenol	17.1	50	17	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	200	7.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	200	5.1	ug/l	
95-48-7	2-Methylphenol	ND	20	11	ug/l	
	3&4-Methylphenol	ND	20	10	ug/l	
88-75-5	2-Nitrophenol	ND	50	12	ug/l	
100-02-7	4-Nitrophenol	ND	100	8.3	ug/l	
87-86-5	Pentachlorophenol	ND	100	8.0	ug/l	
108-95-2	Phenol	ND	20	5.8	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	50	13	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	50	12	ug/l	
83-32-9	Acenaphthene	209	10	3.7	ug/l	
208-96-8	Acenaphthylene	8.3	10	2.7	ug/l	J
120-12-7	Anthracene	23.3	10	1.6	ug/l	
56-55-3	Benzo(a)anthracene	5.2	10	1.2	ug/l	J
50-32-8	Benzo(a)pyrene	3.5	10	0.95	ug/l	J
205-99-2	Benzo(b)fluoranthene	ND	10	2.5	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	10	1.2	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	10	3.8	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	20	3.5	ug/l	
85-68-7	Butyl benzyl phthalate	ND	20	2.5	ug/l	
91-58-7	2-Chloronaphthalene	ND	50	4.2	ug/l	
106-47-8	4-Chloroaniline	ND	50	2.5	ug/l	
86-74-8	Carbazole	129	20	1.7	ug/l	
218-01-9	Chrysene	5.1	10	1.1	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	20	2.5	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	20	3.1	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	20	3.9	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	20	3.5	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-S1	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-17	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	20	4.2	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	20	3.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	20	3.9	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	20	2.2	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	20	3.3	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	50	3.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	10	1.5	ug/l	
132-64-9	Dibenzofuran	132	50	3.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	20	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	20	4.0	ug/l	
84-66-2	Diethyl phthalate	ND	20	1.7	ug/l	
131-11-3	Dimethyl phthalate	ND	20	2.3	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	20	3.3	ug/l	
206-44-0	Fluoranthene	25.0	10	1.7	ug/l	
86-73-7	Fluorene	93.6	10	2.7	ug/l	
118-74-1	Hexachlorobenzene	ND	20	3.7	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	3.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	200	6.7	ug/l	
67-72-1	Hexachloroethane	ND	50	2.6	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	10	1.3	ug/l	
78-59-1	Isophorone	ND	20	2.5	ug/l	
91-57-6	2-Methylnaphthalene	456	20	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	50	2.4	ug/l	
99-09-2	3-Nitroaniline	ND	50	2.9	ug/l	
100-01-6	4-Nitroaniline	ND	50	1.8	ug/l	
91-20-3	Naphthalene	6940 ^a	200	85	ug/l	
98-95-3	Nitrobenzene	ND	20	2.5	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	20	4.4	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	50	2.2	ug/l	
85-01-8	Phenanthrene	136	10	2.1	ug/l	
129-00-0	Pyrene	17.8	10	1.6	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	20	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%	0% ^b	13-68%
4165-62-2	Phenol-d5	20%	0% ^b	10-49%
118-79-6	2,4,6-Tribromophenol	85%	0% ^b	37-130%
4165-60-0	Nitrobenzene-d5	99%	0% ^b	25-112%
321-60-8	2-Fluorobiphenyl	86%	0% ^b	31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-S1		
Lab Sample ID:	JA38355-17	Date Sampled:	01/22/10
Matrix:	AQ - Ground Water	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	43%	0% ^b	14-122%

- (a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-10	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-18	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	64.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164860.D	1	02/03/10	TDN	n/a	n/a	VD6640
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.3 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1000	230	ug/kg	
71-43-2	Benzene	8410	100	35	ug/kg	
75-27-4	Bromodichloromethane	ND	510	26	ug/kg	
75-25-2	Bromoform	ND	510	15	ug/kg	
74-83-9	Bromomethane	ND	510	41	ug/kg	
78-93-3	2-Butanone (MEK)	ND	1000	200	ug/kg	
75-15-0	Carbon disulfide	ND	510	31	ug/kg	
56-23-5	Carbon tetrachloride	ND	510	57	ug/kg	
108-90-7	Chlorobenzene	ND	510	35	ug/kg	
75-00-3	Chloroethane	ND	510	100	ug/kg	
67-66-3	Chloroform	ND	510	33	ug/kg	
74-87-3	Chloromethane	ND	510	17	ug/kg	
124-48-1	Dibromochloromethane	ND	510	11	ug/kg	
75-34-3	1,1-Dichloroethane	ND	510	14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	35	ug/kg	
75-35-4	1,1-Dichloroethene	ND	510	68	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	510	25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	510	46	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	510	25	ug/kg	
78-87-5	1,2-Dichloropropane	ND	510	13	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	510	14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	510	9.8	ug/kg	
100-41-4	Ethylbenzene	5820	100	38	ug/kg	
591-78-6	2-Hexanone	ND	510	99	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	100	29	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	510	83	ug/kg	
75-09-2	Methylene chloride	ND	510	23	ug/kg	
100-42-5	Styrene	ND	510	11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	510	30	ug/kg	
127-18-4	Tetrachloroethene	ND	510	15	ug/kg	
108-88-3	Toluene	341	100	30	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	510	13	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.18

3

Client Sample ID:	PI-11-10	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-18	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	64.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	510	19	ug/kg	
79-01-6	Trichloroethene	ND	510	54	ug/kg	
75-01-4	Vinyl chloride	ND	510	18	ug/kg	
1330-20-7	Xylene (total)	9530	210	48	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	107%		65-132%
2037-26-5	Toluene-D8	90%		74-129%
460-00-4	4-Bromofluorobenzene	93%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-10	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-18	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	64.6
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M71014.D	5	02/05/10	LP	01/29/10	OP42028	EM2683
Run #2	M71037.D	200	02/06/10	LP	01/29/10	OP42028	EM2684

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1100	220	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	1100	220	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	1100	350	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	1100	370	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	4400	270	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	4400	270	ug/kg	
95-48-7	2-Methylphenol	ND	440	250	ug/kg	
	3&4-Methylphenol	ND	440	280	ug/kg	
88-75-5	2-Nitrophenol	ND	1100	230	ug/kg	
100-02-7	4-Nitrophenol	ND	2200	370	ug/kg	
87-86-5	Pentachlorophenol	ND	2200	380	ug/kg	
108-95-2	Phenol	ND	440	230	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	1100	260	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	1100	210	ug/kg	
83-32-9	Acenaphthene	49000 ^a	8800	2600	ug/kg	
208-96-8	Acenaphthylene	4380	220	70	ug/kg	
120-12-7	Anthracene	32500 ^a	8800	3100	ug/kg	
56-55-3	Benzo(a)anthracene	32900 ^a	8800	2900	ug/kg	
50-32-8	Benzo(a)pyrene	31100 ^a	8800	2700	ug/kg	
205-99-2	Benzo(b)fluoranthene	31200 ^a	8800	2900	ug/kg	
191-24-2	Benzo(g,h,i)perylene	17500	220	82	ug/kg	
207-08-9	Benzo(k)fluoranthene	19600 ^a	8800	3300	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	440	80	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	440	130	ug/kg	
91-58-7	2-Chloronaphthalene	ND	440	68	ug/kg	
106-47-8	4-Chloroaniline	ND	1100	70	ug/kg	
86-74-8	Carbazole	10900	440	100	ug/kg	
218-01-9	Chrysene	35200 ^a	8800	3000	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	440	89	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	440	66	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	440	65	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	440	66	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-10	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-18	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	64.6
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	440	63	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	440	59	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	440	49	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	440	96	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	440	84	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1100	56	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	5810	220	75	ug/kg	
132-64-9	Dibenzofuran	36500 ^a	18000	2600	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	440	49	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	440	110	ug/kg	
84-66-2	Diethyl phthalate	ND	440	75	ug/kg	
131-11-3	Dimethyl phthalate	ND	440	77	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	440	190	ug/kg	
206-44-0	Fluoranthene	79700 ^a	8800	3900	ug/kg	
86-73-7	Fluorene	38300 ^a	8800	2900	ug/kg	
118-74-1	Hexachlorobenzene	ND	440	72	ug/kg	
87-68-3	Hexachlorobutadiene	ND	220	61	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	4400	220	ug/kg	
67-72-1	Hexachloroethane	ND	1100	61	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	15400	220	76	ug/kg	
78-59-1	Isophorone	ND	440	59	ug/kg	
91-57-6	2-Methylnaphthalene	34200 ^a	18000	4900	ug/kg	
88-74-4	2-Nitroaniline	ND	1100	97	ug/kg	
99-09-2	3-Nitroaniline	ND	1100	88	ug/kg	
100-01-6	4-Nitroaniline	ND	1100	86	ug/kg	
91-20-3	Naphthalene	149000 ^a	8800	2400	ug/kg	
98-95-3	Nitrobenzene	ND	440	64	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	440	54	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1100	130	ug/kg	
85-01-8	Phenanthrene	144000 ^a	8800	4000	ug/kg	
129-00-0	Pyrene	80400 ^a	8800	3400	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	440	58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%	0% ^b	30-109%
4165-62-2	Phenol-d5	54%	0% ^b	28-108%
118-79-6	2,4,6-Tribromophenol	28%	0% ^b	28-125%
4165-60-0	Nitrobenzene-d5	66%	0% ^b	28-113%
321-60-8	2-Fluorobiphenyl	88%	0% ^b	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-10		
Lab Sample ID:	JA38355-18	Date Sampled:	01/22/10
Matrix:	SO - Soil	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	64.6
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	74%	0% ^b	31-116%

- (a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-12	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-19	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	87.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164861.D	1	02/03/10	TDN	n/a	n/a	VD6640
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.9 g	10.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	2800	620	ug/kg	
71-43-2	Benzene	ND	280	94	ug/kg	
75-27-4	Bromodichloromethane	ND	1400	71	ug/kg	
75-25-2	Bromoform	ND	1400	42	ug/kg	
74-83-9	Bromomethane	ND	1400	110	ug/kg	
78-93-3	2-Butanone (MEK)	ND	2800	550	ug/kg	
75-15-0	Carbon disulfide	ND	1400	84	ug/kg	
56-23-5	Carbon tetrachloride	ND	1400	150	ug/kg	
108-90-7	Chlorobenzene	ND	1400	94	ug/kg	
75-00-3	Chloroethane	ND	1400	280	ug/kg	
67-66-3	Chloroform	ND	1400	88	ug/kg	
74-87-3	Chloromethane	ND	1400	46	ug/kg	
124-48-1	Dibromochloromethane	ND	1400	30	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1400	38	ug/kg	
107-06-2	1,2-Dichloroethane	ND	280	96	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1400	180	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1400	66	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1400	120	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	1400	66	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1400	36	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1400	37	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1400	27	ug/kg	
100-41-4	Ethylbenzene	1610	280	100	ug/kg	
591-78-6	2-Hexanone	ND	1400	270	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	280	78	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	1400	220	ug/kg	
75-09-2	Methylene chloride	ND	1400	62	ug/kg	
100-42-5	Styrene	ND	1400	30	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1400	81	ug/kg	
127-18-4	Tetrachloroethene	ND	1400	40	ug/kg	
108-88-3	Toluene	ND	280	81	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1400	35	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.19

3

Client Sample ID:	PI-11-12	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-19	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	87.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1400	51	ug/kg	
79-01-6	Trichloroethene	ND	1400	150	ug/kg	
75-01-4	Vinyl chloride	ND	1400	49	ug/kg	
1330-20-7	Xylene (total)	2590	550	130	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	107%		65-132%
2037-26-5	Toluene-D8	90%		74-129%
460-00-4	4-Bromofluorobenzene	98%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-11-12	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-19	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	87.3
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M71015.D	5	02/05/10	LP	01/29/10	OP42028	EM2683
Run #2	M71038.D	200	02/06/10	LP	01/29/10	OP42028	EM2684

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	820	170	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	820	160	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	820	260	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	820	270	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	3300	200	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	3300	200	ug/kg	
95-48-7	2-Methylphenol	ND	330	190	ug/kg	
	3&4-Methylphenol	ND	330	210	ug/kg	
88-75-5	2-Nitrophenol	ND	820	170	ug/kg	
100-02-7	4-Nitrophenol	ND	1600	280	ug/kg	
87-86-5	Pentachlorophenol	ND	1600	280	ug/kg	
108-95-2	Phenol	ND	330	170	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	820	190	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	820	150	ug/kg	
83-32-9	Acenaphthene	37500 ^a	6500	1900	ug/kg	
208-96-8	Acenaphthylene	2030	160	52	ug/kg	
120-12-7	Anthracene	18600 ^a	6500	2300	ug/kg	
56-55-3	Benzo(a)anthracene	10900	160	53	ug/kg	
50-32-8	Benzo(a)pyrene	10400	160	50	ug/kg	
205-99-2	Benzo(b)fluoranthene	8260	160	55	ug/kg	
191-24-2	Benzo(g,h,i)perylene	6020	160	61	ug/kg	
207-08-9	Benzo(k)fluoranthene	7870	160	62	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	330	59	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	330	95	ug/kg	
91-58-7	2-Chloronaphthalene	ND	330	51	ug/kg	
106-47-8	4-Chloroaniline	ND	820	52	ug/kg	
86-74-8	Carbazole	6930	330	76	ug/kg	
218-01-9	Chrysene	12000	160	55	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	330	66	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	330	49	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	330	49	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	330	49	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-12	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-19	Date Received:	01/22/10
Matrix:	SO - Soil	Percent Solids:	87.3
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	330	47	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	330	44	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	330	36	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	330	72	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	330	62	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	820	42	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1830	160	56	ug/kg	
132-64-9	Dibenzofuran	27900 ^a	13000	1900	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	36	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	330	80	ug/kg	
84-66-2	Diethyl phthalate	ND	330	56	ug/kg	
131-11-3	Dimethyl phthalate	ND	330	58	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	140	ug/kg	
206-44-0	Fluoranthene	39000 ^a	6500	2900	ug/kg	
86-73-7	Fluorene	28300 ^a	6500	2100	ug/kg	
118-74-1	Hexachlorobenzene	ND	330	53	ug/kg	
87-68-3	Hexachlorobutadiene	ND	160	45	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	3300	170	ug/kg	
67-72-1	Hexachloroethane	ND	820	45	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	5030	160	57	ug/kg	
78-59-1	Isophorone	ND	330	44	ug/kg	
91-57-6	2-Methylnaphthalene	44100 ^a	13000	3700	ug/kg	
88-74-4	2-Nitroaniline	ND	820	72	ug/kg	
99-09-2	3-Nitroaniline	ND	820	65	ug/kg	
100-01-6	4-Nitroaniline	ND	820	64	ug/kg	
91-20-3	Naphthalene	232000 ^a	6500	1800	ug/kg	
98-95-3	Nitrobenzene	ND	330	47	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	330	40	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	820	98	ug/kg	
85-01-8	Phenanthrene	84400 ^a	6500	3000	ug/kg	
129-00-0	Pyrene	37400 ^a	6500	2500	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	330	44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%	0% ^b	30-109%
4165-62-2	Phenol-d5	45%	0% ^b	28-108%
118-79-6	2,4,6-Tribromophenol	42%	0% ^b	28-125%
4165-60-0	Nitrobenzene-d5	54%	0% ^b	28-113%
321-60-8	2-Fluorobiphenyl	67%	0% ^b	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-12		
Lab Sample ID:	JA38355-19	Date Sampled:	01/22/10
Matrix:	SO - Soil	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	87.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	55%	0% ^b	31-116%

- (a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	TRIP BLANK	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-20	Date Received:	01/22/10
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D41625.D	1	01/28/10	TYG	n/a	n/a	V3D1820
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	TRIP BLANK	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-20	Date Received:	01/22/10
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		76-120%
17060-07-0	1,2-Dichloroethane-D4	94%		64-135%
2037-26-5	Toluene-D8	86%		76-117%
460-00-4	4-Bromofluorobenzene	90%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-11-S8	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-21	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D41631.D	1	01/28/10	TYG	n/a	n/a	V3D1820
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	27.6	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	1.1	2.0	0.74	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	54.3	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	23.5	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

3.21

3

Client Sample ID:	PI-11-S8	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-21	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	110	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		76-120%
17060-07-0	1,2-Dichloroethane-D4	90%		64-135%
2037-26-5	Toluene-D8	88%		76-117%
460-00-4	4-Bromofluorobenzene	88%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

3.21

3

Client Sample ID:	PI-11-S8	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-21	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P47745.D	1	02/05/10	NAP	01/26/10	OP41976	EP2036
Run #2	P47760.D	10	02/08/10	NAP	01/26/10	OP41976	EP2037

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	168 ^a	10	3.7	ug/l	
208-96-8	Acenaphthylene	0.95	1.0	0.27	ug/l	J
120-12-7	Anthracene	3.9	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	0.39	1.0	0.12	ug/l	J
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	24.1	2.0	0.17	ug/l	
218-01-9	Chrysene	0.34	1.0	0.11	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID:	PI-11-S8	Date Sampled:	01/22/10
Lab Sample ID:	JA38355-21	Date Received:	01/22/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	43.4	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	4.1	2.0	0.33	ug/l	
206-44-0	Fluoranthene	3.2	1.0	0.17	ug/l	
86-73-7	Fluorene	15.3	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	51.6	2.0	0.66	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	796 ^a	10	4.3	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	21.6	1.0	0.21	ug/l	
129-00-0	Pyrene	2.0	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	14%	16%	13-68%
4165-62-2	Phenol-d5	11%	12%	10-49%
118-79-6	2,4,6-Tribromophenol	59%	66%	37-130%
4165-60-0	Nitrobenzene-d5	50%	66%	25-112%
321-60-8	2-Fluorobiphenyl	49%	67%	31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-S8		
Lab Sample ID:	JA38355-21	Date Sampled:	01/22/10
Matrix:	AQ - Ground Water	Date Received:	01/22/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	45%	60%	14-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

2335 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job #
	JA38355

Client / Reporting Information	Project Information	Requested Analysis (see TEST CODE sheet)	Matrix Codes
Company Name: FLS Street Address: 158 W 29th St. City: NY State: NY Zip: 10001 Project Contact: S. Pankr Phone #: _____ Fax #: _____ Sampler(s) Name(s): KB, BN Phone #: _____	Project Name: Parcel B - Pre-Injection Street: 47th Rd / Cth Blvd City: LI State: _____ Billing Information (If different from Report to) Company Name: _____ Street Address: _____ Project #: 10011-017-004 Client Purchase Order #: _____ City: _____ State: _____ Zip: _____ Project Manager: S. P. Attention: _____	DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OL - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank	LAB USE ONLY EX 10, 468 UTC17 9086 1914

Accutest Sample #	Field ID / Point of Collection	MEQ/VI Vial #	Date	Time	Sampled By	Matrix	# of bottles	HC	NH3	NH4	H2SO4	NO3	NO2	D. Water	MEQ	BI/CORE
1	PI-19-S2		1/20/10	1515	GW	B	4	X								
2	PI-11-6		1/21/10	0910	SO	4										
3	PI-11-S3			1000	GW	B	4	X								
4	PI-11-9			1040	SO	4										
5	PI-11-11			1127												
6	PI-11-7			1255												
7	PI-11-S6			1335	GW	B	4	X								
8	PI-11-15			1420	SO	4										
9	PI-11-16			1447												
10	PI-11-8		1/22/10	0850												
11	PI-11-13			0915												
12	PI-11-5			0920												

☐ Std. 15 Business Days ☐ Std. 10 Business Days (by Contract only) ☐ 10 Day RUSH ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY Emergency & Rush T/A data available VIA Lablink	Approved By (Accutest PM): / Date: _____ _____ _____ _____ _____	☐ Commercial "A" (Level 1) ☐ Commercial "B" (Level 2) ☐ FULLT1 (Level 3+4) ☐ NJ Reduced ☐ Commercial "C" Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data	☐ NYASP Category A ☐ NYASP Category B ☐ State Forms ☐ EDD Format ☐ Other _____ Please homogenize soil samples in lab.

Sample Custody must be documented below each time samples change possession including courier delivery.			
Relinquished By: [Signature] Date Time: 1/22/10	Received By: [Signature] Date Time: _____	Relinquished By: [Signature] Date Time: 1/22/10	Received By: [Signature] Date Time: _____
Relinquished By: _____ Date Time: _____	Received By: _____ Date Time: _____	Relinquished By: _____ Date Time: _____	Received By: _____ Date Time: _____
Relinquished By: _____ Date Time: _____	Received By: _____ Date Time: _____	Relinquished By: _____ Date Time: _____	Received By: _____ Date Time: _____

☐ Intact
☐ Not intact
 Preserved vials applicable
 On Ice
 Cooler Temp: **3.2C, 4.0C**
2.4C

JA38355: Chain of Custody

Page 1 of 5



PAGE 2 OF 2

FED-EX Tracking #		Bottle Order Control #	
Accutest Quote #		Accutest Job #	
Requested Analysis (see TEST CODE sheet)		Matrix Codes	
B260 B270 D20 / G20		DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED-Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Waste FB-Field Blank EB-Equipment Blank RB- Rinse Blank TB-Trip Blank	
LAB USE ONLY			
X X X			
X X X			
X X X			
Comments / Special instructions			
Category A Category B		Please homogenizing soil in lab.	
Raw data			
Express courier delivery.			
Date Time: 1/22/10 11:45		Received By: [Signature]	
Date Time:		Received By: 4	
Intact Not intact		On Ice Cooler Temp.	

4.4.1

JA38355: Chain of Custody
Page 2 of 5



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA38355

Client: FLS-NY

Immediate Client Services Action Required: Yes

Date / Time Received: 1/22/2010 1640

Delivery Method: Other Courier

Client Service Action Required at Login: No

Project: PARCEL8

No. Coolers: 3

Airbill #'s:

Cooler Security

Y or N

Y or N

1. Custody Seals Present:	☐	☒	3. COC Present:	☒	☐
2. Custody Seals Intact:	☒	☐	4. Smpl Dates/Time OK	☒	☐

Cooler Temperature

Y or N

1. Temp criteria achieved:	☒	☐
2. Cooler temp verification:	Infrared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservation

Y

N

N/A

1. Trip Blank present / cooler:	☐	☐	☐
2. Trip Blank listed on COC:	☐	☐	☐
3. Samples preserved properly:	☒	☐	
4. VOCs headspace free:	☐	☐	☐

Comments

-17 ONLY REC'D 1 OF 2 DRO VOL'S
NO VO VOL REC'D
-21 ADDED TO COC - FULL AQ SAMPLE LABELED "PI-11-S8"

Sample Integrity - Documentation

Y or N

1. Sample labels present on bottles:	☒	☐
2. Container labeling complete:	☒	☐
3. Sample container label / COC agree:	☒	☐

Sample Integrity - Condition

Y or N

1. Sample recvd within HT:	☒	☐
2. All containers accounted for:	☐	☒
3. Condition of sample:	Intact	

Sample Integrity - Instructions

Y N N/A

1. Analysis requested is clear:	☒	☐	
2. Bottles received for unspecified tests	☒	☐	
3. Sufficient volume recvd for analysis:	☒	☐	
4. Compositing instructions clear:	☐	☐	☐
5. Filtering instructions clear:	☐	☐	☐

Accutest Laboratories
V: 732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JA38355: Chain of Custody

Page 3 of 5



Sample Receipt Summary - Problem Resolution

Accutest Job Number: JA38355

CSR: Tammy McCloskey

Response Date

2/1/2010

Response: -17 client informed, please proceed with DRO analysis and cancel VO.
-21 please run for VO & SVOC.

CANCEL ALL GRO AND DRO

All above per Steve Panter with Fleming Lee Shue.

4.1

4

Accutest Laboratories
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www.accutest.com

JA38355: Chain of Custody
Page 4 of 5



Sample Log-In Summary

JA38355
COC

Lab Name: ACCUTEST Page 1 of 1

Received by (Print Name): TODD R. SHUMAKER Log-in Date: 1/22/10

Received by (Signature): Todd R. Shumaker

		CORRESPONDING			REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
		NYSDEC SAMPLE #	SAMPLE TAG #	ASSIGNED LAB #	
Use Number:	<u>N/A</u>	<u>N/A</u>		<u>JA38355</u>	<u>-1</u> <u>OK</u>
LOG Number:		<u>N/A</u>			<u>-2</u>
AS Number:	<u>N/A</u>	<u>N/A</u>			<u>-3</u>
MARKS:		<u>N/A</u>			<u>-4</u>
Custody Seal(s)	<u>Present</u> <u>Absent</u>	<u>N/A</u>			<u>-5</u>
	<u>Intact</u> <u>Broken</u>	<u>N/A</u>			<u>-6</u>
Custody Seal	<u>N/A</u>	<u>N/A</u>			<u>-7</u>
Numbers:		<u>N/A</u>			<u>-8</u>
Chain-of-Custody	<u>Present</u> <u>Absent</u> *	<u>N/A</u>			<u>-9</u>
Records		<u>N/A</u>			<u>-10</u>
Contract Lab	<u>Present</u> <u>Absent</u> *	<u>N/A</u>			<u>-11</u>
Sample Inform.		<u>N/A</u>			<u>-12</u>
Sheet (CLISIS)		<u>N/A</u>			<u>-13</u>
Airbill	<u>Airbill</u> <u>Sticker</u>	<u>N/A</u>			<u>-14</u>
	<u>Present</u> <u>Absent</u> *	<u>N/A</u>			<u>-15</u>
Airbill No.:	<u>N/A</u>	<u>N/A</u>			<u>-16</u>
Sample Tags	<u>Present</u> <u>Absent</u> *	<u>N/A</u>			<u>-17</u>
Sample Tag Nos.	<u>Listed</u> <u>Not Listed</u> on	<u>N/A</u>			<u>-18</u>
	<u>Chain-of-Custody</u>	<u>N/A</u>			<u>-19</u>
Sample Condition	<u>Intact</u> <u>Broken</u> */	<u>N/A</u>			<u>-20</u>
	<u>Leaking</u>	<u>N/A</u>			<u>-21</u>
Does Information		<u>N/A</u>			
Custody rec.,		<u>N/A</u>			
CLISIS, & sample		<u>N/A</u>			
Is agree	<u>Yes</u> <u>No</u> *	<u>N/A</u>			
Date received	<u>1/22/10</u>	<u>N/A</u>			
Lab:	<u>1660</u>	<u>N/A</u>			
Time Received:		<u>N/A</u>			
aqueous VOC vials					
headspace?	<u>Yes</u> <u>No</u> *				
3 preserved voc					
samples fully im-					
in preservative?	<u>Yes</u> <u>No</u> * <u>N/A</u>	<u>N/A</u>			
Sample Transfer					
1:	<u>See Internal</u>				
	<u>Chain of Custody</u>				

JA38355: Chain of Custody

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Get BTR and attach record of resolution

By: _____

Logbook No.: N/A

Logbook Page No.: N/A



IT'S ALL IN THE CHEMISTRY

07/02/10

Technical Report for

Fleming-Lee Shue, Inc.

Queens West, Parcel 8, 47th Road, Long Island City, NY

10011-017-4

Accutest Job Number: JA38084

Sampling Dates: 01/18/10 - 01/20/10

Report to:

Fleming-Lee Shue, Inc.

steve@flemingleeshue.com

ATTN: Steve Panter

Total number of pages in report: **201**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP Ops, Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Fleming-Lee Shue, Inc.

Job No: JA38084

Queens West, Parcel 8, 47th Road, Long Island City, NY
Project No: 10011-017-4

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JA38084-1	01/18/10	09:35 KB	01/20/10	SO	Soil	PI-27-4D
JA38084-2	01/18/10	11:02 KB	01/20/10	AQ	Ground Water	PI-27-S4
JA38084-3	01/18/10	11:05 KB	01/20/10	SO	Soil	PI-27-5D
JA38084-4	01/18/10	11:30 KB	01/20/10	SO	Soil	PI-27-6D
JA38084-5	01/18/10	13:25 KB	01/20/10	SO	Soil	PI-27-7D
JA38084-6	01/18/10	14:15 KB	01/20/10	SO	Soil	PI-27-8D
JA38084-7	01/18/10	14:20 KB	01/20/10	AQ	Ground Water	PI-27-S5
JA38084-8	01/19/10	09:25 KB	01/20/10	SO	Soil	PI-19-1S
JA38084-9	01/19/10	09:45 KB	01/20/10	SO	Soil	PI-19-2S
JA38084-10	01/19/10	00:00 KB	01/20/10	AQ	Ground Water	PI-27-S8
JA38084-11	01/19/10	10:10 KB	01/20/10	SO	Soil	PI-19-3S
JA38084-12	01/19/10	10:30 KB	01/20/10	SO	Soil	PI-19-4S
JA38084-13	01/20/10	11:00 KB	01/20/10	SO	Soil	PI-19-5S

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary

(continued)

Fleming-Lee Shue, Inc.

Job No: JA38084

Queens West, Parcel 8, 47th Road, Long Island City, NY

Project No: 10011-017-4

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JA38084-14	01/20/10	11:25 KB	01/20/10	SO	Soil	PI-19-6S
JA38084-15	01/20/10	11:30 KB	01/20/10	SO	Soil	PI-19-16S
JA38084-16	01/20/10	12:00 KB	01/20/10	AQ	Ground Water	PI-19-S4
JA38084-17	01/20/10	12:15 KB	01/20/10	AQ	Ground Water	PI-19-S1
JA38084-18	01/18/10	12:50 KB	01/20/10	SO	Soil	PI-19-15S
JA38084-19	01/20/10	12:55 KB	01/20/10	SO	Soil	PI-19-9S
JA38084-20	01/20/10	13:25 KB	01/20/10	SO	Soil	PI-19-14S
JA38084-21	01/20/10	13:30 KB	01/20/10	SO	Soil	PI-19-10S
JA38084-22	01/20/10	14:00 KB	01/20/10	AQ	Ground Water	PI-19-S5
JA38084-23	01/20/10	14:05 KB	01/20/10	SO	Soil	PI-19-11S
JA38084-24	01/20/10	14:25 KB	01/20/10	SO	Soil	PI-19-13S
JA38084-25	01/19/10	15:15 KB	01/20/10	SO	Soil	PI-19-12S
JA38084-26	01/19/10	16:31 KB	01/20/10	AQ	Ground Water	PI-19-S2

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary

(continued)

Fleming-Lee Shue, Inc.

Job No: JA38084

Queens West, Parcel 8, 47th Road, Long Island City, NY

Project No: 10011-017-4

Sample Number	Collected			Received	Matrix		Client Sample ID
	Date	Time	By		Code	Type	
JA38084-27	01/20/10	09:00	KB	01/20/10	SO	Soil	PI-19-7S
JA38084-28	01/20/10	10:00	KB	01/20/10	SO	Soil	PI-19-8S
JA38084-29	01/20/10	10:05	KB	01/20/10	AQ	Ground Water	PI-19-S6
JA38084-30	01/20/10	10:40	KB	01/20/10	AQ	Ground Water	PI-19-S3
JA38084-31	01/20/10	11:45	KB	01/20/10	AQ	Ground Water	PI-19-S8
JA38084-32	01/20/10	13:30	KB	01/20/10	SO	Soil	PI-11-2S
JA38084-33	01/20/10	13:45	KB	01/20/10	AQ	Ground Water	PI-19-S7
JA38084-34	01/20/10	14:00	KB	01/20/10	SO	Soil	PI-11-3

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Fleming-Lee Shue, Inc.

Job No JA38084

Site: Queens West, Parcel 8, 47th Road, Long Island City, NY

Report Date 2/15/2010 11:48:24 A

On 01/20/2010, 34 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 5.6 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA38084 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: V1A3657

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA38789-6MS, JA38789-6MSD were used as the QC samples indicated.

Matrix: AQ

Batch ID: V2E2156

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA38465-8MS, JA38465-8MSD were used as the QC samples indicated.

Matrix: AQ

Batch ID: V3A3186

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA38393-16MS, JA38393-16MSD were used as the QC samples indicated.

Matrix: AQ

Batch ID: V3A3190

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA38084-33MS, JA38084-33MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Toluene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike Duplicate Recovery(s) for Toluene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix: AQ

Batch ID: V3D1829

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA38084-16MS, JA38084-16MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Xylene (total) are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix: AQ

Batch ID: V3D1831

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA38713-5MS, JA38713-5MSD were used as the QC samples indicated.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: VE7105

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA38740-13MS, JA38740-13MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ

Batch ID: VU5091

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA38324-6MS, JA38324-6MSD were used as the QC samples indicated.

Matrix: SO

Batch ID: VD6634

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA38084-25MS, JA38084-25MSD were used as the QC samples indicated.
- JA38084-9: Diluted due to high concentration of non-target compound.
- JA38084-27: Diluted due to high concentration of non-target compound.
- JA38084-21: Diluted due to high concentration of non-target compound.
- JA38084-15: Diluted due to high concentration of non-target compound.
- JA38084-11: Diluted due to high concentration of non-target compound.

Matrix: SO

Batch ID: VD6637

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA38084-20MS, JA38084-20MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Bromodichloromethane, Dibromochloromethane are outside control limits. High percent recoveries and no associated positive found in the QC batch.
- JA38084-5: Diluted due to high concentration of non-target compound.
- JA38084-12: Diluted due to high concentration of non-target compound.
- JA38084-20: Diluted due to high concentration of non-target compound.
- JA38084-3: Diluted due to high concentration of non-target compound.

Matrix: SO

Batch ID: VG6021

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA37745-3MS, JA37957-1DUP were used as the QC samples indicated.
- JA38084-4: Dilution required due to matrix interference.

Matrix: SO

Batch ID: VG6023

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA38084-19MS, JA38084-19MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 1,1,2,2-Tetrachloroethane are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 1,1,2,2-Tetrachloroethane are outside control limits. Outside control limits due to matrix interference.

Matrix: SO

Batch ID: VG6029

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA37958-3MS, JA37958-3MSD were used as the QC samples indicated.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO

Batch ID: VG6029

- All method blanks for this batch meet method specific criteria.
- RPD(s) for MSD for 2-Butanone (MEK) are outside control limits for sample JA37958-3MSD. Outside control limits due to matrix interference.
- JA38084-8: Dilution required due to matrix interference.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ

Batch ID: OP41928

- All samples were extracted within the recommended method holding time.
- Sample(s) JA37956-1MS, JA37956-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JA38084-33: Dilution required due to sample high viscous matrix.
- JA38084-33 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-7 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-30 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-30 for Phenol-d5: Outside control limits due to dilution.
- JA38084-7 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-16 for Phenol-d5: Outside control limits due to dilution.
- JA38084-30 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-7 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-7 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-7 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-29 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-16 for Terphenyl-d14: Outside control limits due to dilution.
- OP41928-MS for 2-Fluorophenol: Outside of control limits, but within reasonable method recovery limits.
- JA38084-7 for Phenol-d5: Outside control limits due to dilution.
- JA38084-33 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-31 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-29 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-29 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-29 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-33 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-16 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-29 for Phenol-d5: Outside control limits due to dilution.
- JA38084-30 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-33 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-2 for Phenol-d5: Outside control limits due to dilution.
- JA38084-2 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-33 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-7 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-30 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-33 for Phenol-d5: Outside control limits due to dilution.
- JA38084-33 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-31 for 2-Fluorophenol: Outside of in house control limits, but within reasonable method recovery limits.
- JA38084-31 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-31 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-31 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-31 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-26 for 2-Fluorophenol: Outside control limits due to dilution.

Monday, February 15, 2010

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Extractables by GCMS By Method SW846 8270C

Matrix: AQ

Batch ID: OP41928

- JA38084-26 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-26 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-26 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-29 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-26 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-26 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-26 for Phenol-d5: Outside control limits due to dilution.
- JA38084-31 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-31 for Phenol-d5: Outside control limits due to dilution.
- JA38084-10 for Phenol-d5: Outside control limits due to dilution.
- JA38084-16 for Nitrobenzene-d5: Outside control limits due to dilution.
- OP41928-MSD for Phenol-d5: Outside of control limits, but within reasonable method recovery limits.
- JA38084-26 for 2-Fluorophenol: Outside of in house control limits, but within reasonable method recovery limits.
- JA38084-31 for 2-Fluorophenol: Outside of in house control limits, but within reasonable method recovery limits.
- JA38084-10 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-10 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-26 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-10 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-30 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-10 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-16 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-16 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-16 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-30 for Terphenyl-d14: Outside control limits due to dilution.
- OP41928-MS for Phenol-d5: Outside of control limits, but within reasonable method recovery limits.
- JA38084-10 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-29 for 2-Fluorophenol: Outside control limits due to dilution.

Matrix: SO

Batch ID: OP41981

- All samples were extracted within the recommended method holding time.
- Sample(s) JA38084-5MS, JA38084-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for bis(2-Chloroisopropyl)ether are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 2-Methylnaphthalene, Fluorene are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Recovery(s) for Naphthalene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JA38084-3 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-3 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-3 for Phenol-d5: Outside control limits due to dilution.
- JA38084-3 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-4 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-6 for 2-Fluorophenol: Outside control limits due to dilution.

Monday, February 15, 2010

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Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP41981

- JA38084-3 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-1 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-14 for Nitrobenzene-d5: Outside control limits due to matrix interference.
- JA38084-9 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-8 for Phenol-d5: Outside control limits due to dilution.
- JA38084-9 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-9 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-1 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-9 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-9 for Phenol-d5: Outside control limits due to dilution.
- JA38084-9 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-13 for 2-Fluorobiphenyl: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- JA38084-6 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-1 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-6 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-18 for Phenol-d5: Outside control limits due to dilution.
- JA38084-1 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-27 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-24 for 2-Fluorobiphenyl: Outside of in house control limits, but within reasonable method recovery limits.
- JA38084-18 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-1 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-1 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-12 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-3 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-1 for Phenol-d5: Outside control limits due to dilution.
- JA38084-1 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-1 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-20 for 2,4,6-Tribromophenol: Outside control limits due to matrix interference.
- JA38084-1 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-15 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-1 for Phenol-d5: Outside control limits due to dilution.
- JA38084-6 for Phenol-d5: Outside control limits due to dilution.
- JA38084-18 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-13 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-23 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-23 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-23 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-23 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-23 for Phenol-d5: Outside control limits due to dilution.
- JA38084-23 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-23 for 2-Fluorobiphenyl: Outside control limits due to dilution.

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Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP41981

- JA38084-13 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-13 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-6 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-13 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-21 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-21 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-13 for Phenol-d5: Outside control limits due to dilution.
- JA38084-13 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-13 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-13 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-13 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-18 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-18 for Phenol-d5: Outside control limits due to dilution.
- JA38084-18 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-13 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-13 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-1 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-8 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-13 for Nitrobenzene-d5: Outside control limits due to matrix interference.
- JA38084-8 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-8 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-8 for 2-Fluorobiphenyl: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- JA38084-6 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-6 for Phenol-d5: Outside control limits due to dilution.
- JA38084-6 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-23 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-23 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-23 for Phenol-d5: Outside control limits due to dilution.
- JA38084-18 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-21 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-21 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-21 for Phenol-d5: Outside control limits due to dilution.
- JA38084-21 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-23 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-23 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-13 for Phenol-d5: Outside control limits due to dilution.
- JA38084-23 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-9 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-18 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-15 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-27 for 2-Fluorophenol: Outside control limits due to dilution.

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Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP41981

- JA38084-15 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-18 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-24 for Phenol-d5: Outside control limits due to dilution.
- JA38084-24 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-24 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-24 for Phenol-d5: Outside control limits due to dilution.
- JA38084-24 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-21 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-24 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-5 for Terphenyl-d14: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- JA38084-24 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-12 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-14 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-21 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-20 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-21 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-27 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-12 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-24 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-15 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-12 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-12 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-24 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-15 for Phenol-d5: Outside control limits due to dilution.
- JA38084-14 for Phenol-d5: Outside control limits due to dilution.
- JA38084-15 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-12 for Phenol-d5: Outside control limits due to dilution.
- JA38084-15 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-1 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-15 for Phenol-d5: Outside control limits due to dilution.
- JA38084-27 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-15 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-15 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-6 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-24 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-21 for Phenol-d5: Outside control limits due to dilution.
- JA38084-20 for Phenol-d5: Outside control limits due to dilution.
- JA38084-20 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-27 for 2-Fluorobiphenyl: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- JA38084-15 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-18 for Terphenyl-d14: Outside control limits due to dilution.

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Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP41981

- JA38084-27 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-20 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-14 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-20 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-15 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-20 for 2-Fluorobiphenyl: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- JA38084-18 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-24 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-20 for Phenol-d5: Outside control limits due to dilution.
- JA38084-6 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-20 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-18 for 2-Fluorobiphenyl: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- JA38084-14 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-14 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-18 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-14 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-18 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-18 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-6 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-6 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-12 for Phenol-d5: Outside control limits due to dilution.
- JA38084-24 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-27 for Phenol-d5: Outside control limits due to dilution.
- JA38084-21 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-20 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-12 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-14 for 2-Fluorobiphenyl: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- JA38084-12 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-6 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-12 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-21 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-12 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-20 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-20 for Nitrobenzene-d5: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- JA38084-20 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-20 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-20 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-12 for 2-Fluorophenol: Outside control limits due to dilution.

Matrix: SO

Batch ID: OP41985

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Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP41985

- All samples were extracted within the recommended method holding time.
- Sample(s) JA38019-13MS, JA38019-13MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JA38084-28 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-28 for Phenol-d5: Outside control limits due to dilution.
- JA38084-32 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-32 for Phenol-d5: Outside control limits due to dilution.
- JA38084-32 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-32 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-32 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA38084-28 for Terphenyl-d14: Outside control limits due to dilution.
- JA38084-28 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-32 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-28 for Phenol-d5: Outside control limits due to dilution.
- JA38084-32 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-32 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-32 for Phenol-d5: Outside control limits due to dilution.
- JA38084-28 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38084-28 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA38084-28 for 2-Fluorophenol: Outside control limits due to dilution.
- JA38084-28 for Nitrobenzene-d5: Outside control limits due to dilution.

Volatiles by GC By Method SW846 8015B

Matrix: AQ

Batch ID: GLM1738

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA38084-2MS, JA38084-2MSD were used as the QC samples indicated.
- JA38084-7: Sample re-analyzed for further dilution. Confirmation run.
- JA38084-10: Sample re-analyzed for further dilution. Confirmation run.
- JA38084-10 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.
- JA38084-7 for aaa-Trifluorotoluene: Outside control limits due to matrix interference.

Matrix: AQ

Batch ID: GLM1742

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA38724-1MS, JA38724-1MSD were used as the QC samples indicated.

Extractables by GC By Method SW846-8015

Matrix: AQ

Batch ID: OP41952

- All samples were extracted within the recommended method holding time.
- Sample(s) JA38193-1MS, JA38193-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JA38084-10 for o-Terphenyl: Outside control limits due to matrix interference.
- JA38084-7 for 5a-Androstane: Outside control limits due to matrix interference.

Wet Chemistry By Method SM18 2540G

Matrix: SO

Batch ID: GN34227

- The data for SM18 2540G meets quality control requirements.

Matrix: SO

Batch ID: GN34324

- The data for SM18 2540G meets quality control requirements.

Matrix: SO

Batch ID: GN34328

- The data for SM18 2540G meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover



Sample Results

Report of Analysis

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-27-4D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-1	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D164728.D	1	01/30/10	TDN	n/a	n/a	VD6634
Run #2	D164784.D	1	02/01/10	TDN	n/a	n/a	VD6637

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	20.0 ul
Run #2	10.0 g	10.0 ml	1.0 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3600	810	ug/kg	
71-43-2	Benzene	6360	360	120	ug/kg	
75-27-4	Bromodichloromethane	ND	1800	94	ug/kg	
75-25-2	Bromoform	ND	1800	55	ug/kg	
74-83-9	Bromomethane	ND	1800	150	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3600	720	ug/kg	
75-15-0	Carbon disulfide	ND	1800	110	ug/kg	
56-23-5	Carbon tetrachloride	ND	1800	200	ug/kg	
108-90-7	Chlorobenzene	ND	1800	120	ug/kg	
75-00-3	Chloroethane	ND	1800	360	ug/kg	
67-66-3	Chloroform	ND	1800	120	ug/kg	
74-87-3	Chloromethane	ND	1800	60	ug/kg	
124-48-1	Dibromochloromethane	ND	1800	40	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1800	50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	360	130	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1800	240	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1800	87	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1800	160	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	1800	87	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1800	47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1800	48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1800	35	ug/kg	
100-41-4	Ethylbenzene	98400 ^a	7300	2700	ug/kg	
591-78-6	2-Hexanone	ND	1800	350	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	360	100	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	1800	300	ug/kg	
75-09-2	Methylene chloride	ND	1800	81	ug/kg	
100-42-5	Styrene	ND	1800	39	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1800	110	ug/kg	
127-18-4	Tetrachloroethene	ND	1800	53	ug/kg	
108-88-3	Toluene	35700	360	110	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1800	47	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-27-4D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-1	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1800	67	ug/kg	
79-01-6	Trichloroethene	ND	1800	190	ug/kg	
75-01-4	Vinyl chloride	ND	1800	65	ug/kg	
1330-20-7	Xylene (total)	465000 ^a	15000	3400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%	93%	67-127%
17060-07-0	1,2-Dichloroethane-D4	102%	107%	65-132%
2037-26-5	Toluene-D8	93%	89%	74-129%
460-00-4	4-Bromofluorobenzene	99%	91%	62-138%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-4D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-1	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70914.D	1	02/03/10	LP	01/27/10	OP41981	EM2679
Run #2	M70938.D	20	02/04/10	LP	01/27/10	OP41981	EM2680
Run #3	M70939.D	100	02/04/10	LP	01/27/10	OP41981	EM2680
Run #4	M70940.D	1000	02/04/10	LP	01/27/10	OP41981	EM2680

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml
Run #3	35.0 g	1.0 ml
Run #4	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	57	ug/kg	
105-67-9	2,4-Dimethylphenol	391	180	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	700	43	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	700	43	ug/kg	
95-48-7	2-Methylphenol	ND	70	40	ug/kg	
	3&4-Methylphenol	ND	70	45	ug/kg	
88-75-5	2-Nitrophenol	ND	180	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	59	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	ND	70	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	33	ug/kg	
83-32-9	Acenaphthene	103000 ^a	3500	1000	ug/kg	
208-96-8	Acenaphthylene	13900 ^b	700	220	ug/kg	
120-12-7	Anthracene	51300 ^b	700	250	ug/kg	
56-55-3	Benzo(a)anthracene	18100 ^b	700	230	ug/kg	
50-32-8	Benzo(a)pyrene	12300 ^b	700	210	ug/kg	
205-99-2	Benzo(b)fluoranthene	11100 ^b	700	230	ug/kg	
191-24-2	Benzo(g,h,i)perylene	6400 ^b	700	260	ug/kg	
207-08-9	Benzo(k)fluoranthene	6080 ^b	700	260	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	11	ug/kg	
86-74-8	Carbazole	17100 ^b	1400	330	ug/kg	
218-01-9	Chrysene	17600 ^b	700	240	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-4D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-1	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	70	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	70	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	70	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	70	9.4	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	70	7.8	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	13	ug/kg	
91-94-1	3,3' -Dichlorobenzidine	ND	180	8.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1890	35	12	ug/kg	
132-64-9	Dibenzofuran	91300 ^a	7000	1000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	7.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	17	ug/kg	
84-66-2	Diethyl phthalate	ND	70	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	69.0	70	31	ug/kg	J
206-44-0	Fluoranthene	69400 ^b	700	310	ug/kg	
86-73-7	Fluorene	85800 ^a	3500	1200	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.8	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	36	ug/kg	
67-72-1	Hexachloroethane	ND	180	9.8	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	5290 ^b	700	240	ug/kg	
78-59-1	Isophorone	ND	70	9.4	ug/kg	
91-57-6	2-Methylnaphthalene	189000 ^a	7000	2000	ug/kg	
88-74-4	2-Nitroaniline	ND	180	15	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
99-09-2	3-Nitroaniline	347 ^b	3500	280	ug/kg	J
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	1240000 ^c	35000	9600	ug/kg	
98-95-3	Nitrobenzene	ND	70	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	8.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	21	ug/kg	
85-01-8	Phenanthrene	226000 ^a	3500	1600	ug/kg	
129-00-0	Pyrene	55300 ^b	700	270	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	70	9.3	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PI-27-4D		
Lab Sample ID:	JA38084-1	Date Sampled:	01/18/10
Matrix:	SO - Soil	Date Received:	01/20/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	81.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	58%	95%	0% ^d	30-109%
4165-62-2	Phenol-d5	69%	67%	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	59%	86%	0% ^d	28-125%
4165-60-0	Nitrobenzene-d5	43%	101%	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	51%	112% ^d	0% ^d	38-107%
1718-51-0	Terphenyl-d14	67%	115%	0% ^d	31-116%

- (a) Result is from Run# 3
 (b) Result is from Run# 2
 (c) Result is from Run# 4
 (d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-27-S4	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-2	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E48216.D	2	02/01/10	JRL	n/a	n/a	V2E2156
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20	5.7	ug/l	
71-43-2	Benzene	367	2.0	0.47	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.44	ug/l	
75-25-2	Bromoform	ND	8.0	0.46	ug/l	
74-83-9	Bromomethane	ND	4.0	0.59	ug/l	
78-93-3	2-Butanone (MEK)	ND	20	3.2	ug/l	
75-15-0	Carbon disulfide	ND	4.0	1.5	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.51	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.78	ug/l	
75-00-3	Chloroethane	ND	2.0	0.74	ug/l	
67-66-3	Chloroform	ND	2.0	0.47	ug/l	
74-87-3	Chloromethane	ND	2.0	0.58	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.43	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.67	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	0.79	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	0.43	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	0.50	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	2.0	0.43	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.55	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.43	ug/l	
100-41-4	Ethylbenzene	217	2.0	0.54	ug/l	
591-78-6	2-Hexanone	ND	10	2.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.47	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	10	1.7	ug/l	
75-09-2	Methylene chloride	ND	4.0	0.61	ug/l	
100-42-5	Styrene	ND	10	1.2	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.48	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	0.53	ug/l	
108-88-3	Toluene	286	2.0	0.60	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.51	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-27-S4	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-2	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.46	ug/l	
79-01-6	Trichloroethene	ND	2.0	0.48	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.89	ug/l	
1330-20-7	Xylene (total)	645	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		76-120%
17060-07-0	1,2-Dichloroethane-D4	98%		64-135%
2037-26-5	Toluene-D8	102%		76-117%
460-00-4	4-Bromofluorobenzene	96%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-27-S4	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-2	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E24334.D	1	02/04/10	OYA	01/22/10	OP41928	E3E1098
Run #2	3E24330.D	20	02/04/10	OYA	01/22/10	OP41928	E3E1098

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	20.7	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	10.5	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	49.9	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	1.8	1.0	0.27	ug/l	
120-12-7	Anthracene	8.2	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	1.5	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	0.58	1.0	0.095	ug/l	J
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.44	1.0	0.12	ug/l	J
207-08-9	Benzo(k)fluoranthene	0.44	1.0	0.38	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	56.5	2.0	0.17	ug/l	
218-01-9	Chrysene	1.3	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-S4	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-2	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	33.7	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.9	2.0	0.33	ug/l	
206-44-0	Fluoranthene	5.6	1.0	0.17	ug/l	
86-73-7	Fluorene	27.1	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	72.1 ^a	40	13	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	2000 ^a	20	8.5	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	28.1	1.0	0.21	ug/l	
129-00-0	Pyrene	4.8	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	21%	0% ^b	13-68%
4165-62-2	Phenol-d5	17%	0% ^b	10-49%
118-79-6	2,4,6-Tribromophenol	58%	51%	37-130%
4165-60-0	Nitrobenzene-d5	70%	46%	25-112%
321-60-8	2-Fluorobiphenyl	70%	68%	31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-S4		
Lab Sample ID:	JA38084-2	Date Sampled:	01/18/10
Matrix:	AQ - Ground Water	Date Received:	01/20/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	66%	73%	14-122%

- (a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-27-S4						
Lab Sample ID:	JA38084-2				Date Sampled:	01/18/10	
Matrix:	AQ - Ground Water				Date Received:	01/20/10	
Method:	SW846 8015B				Percent Solids:	n/a	
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM44410.D	1	01/27/10	CY	n/a	n/a	GLM1738
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	5.29	0.20	0.032	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	105%		68-114%		

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-27-S4	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-2	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846-8015 SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z20610.D	1	01/26/10	DNM	01/25/10	OP41952	G3Z627
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	10.5	0.10	0.039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	46%		34-139%
16416-32-3	Tetracosane-d50	75%		34-141%
438-22-2	5a-Androstane	76%		26-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-27-5D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-3	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	86.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164782.D	1	02/01/10	TDN	n/a	n/a	VD6637
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	660	150	ug/kg	
71-43-2	Benzene	120	66	22	ug/kg	
75-27-4	Bromodichloromethane	ND	330	17	ug/kg	
75-25-2	Bromoform	ND	330	9.9	ug/kg	
74-83-9	Bromomethane	ND	330	27	ug/kg	
78-93-3	2-Butanone (MEK)	ND	660	130	ug/kg	
75-15-0	Carbon disulfide	ND	330	20	ug/kg	
56-23-5	Carbon tetrachloride	ND	330	36	ug/kg	
108-90-7	Chlorobenzene	ND	330	22	ug/kg	
75-00-3	Chloroethane	ND	330	66	ug/kg	
67-66-3	Chloroform	ND	330	21	ug/kg	
74-87-3	Chloromethane	ND	330	11	ug/kg	
124-48-1	Dibromochloromethane	ND	330	7.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	330	9.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	66	23	ug/kg	
75-35-4	1,1-Dichloroethene	ND	330	44	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	330	16	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	330	30	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	330	16	ug/kg	
78-87-5	1,2-Dichloropropane	ND	330	8.5	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	330	8.7	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	330	6.3	ug/kg	
100-41-4	Ethylbenzene	304	66	24	ug/kg	
591-78-6	2-Hexanone	ND	330	63	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	66	19	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	330	53	ug/kg	
75-09-2	Methylene chloride	ND	330	15	ug/kg	
100-42-5	Styrene	ND	330	7.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	330	19	ug/kg	
127-18-4	Tetrachloroethene	182	330	9.5	ug/kg	J
108-88-3	Toluene	301	66	19	ug/kg	
71-55-6	1,1,1-Trichloroethane	177	330	8.4	ug/kg	J

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-27-5D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-3	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	86.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	330	12	ug/kg	
79-01-6	Trichloroethene	ND	330	35	ug/kg	
75-01-4	Vinyl chloride	ND	330	12	ug/kg	
1330-20-7	Xylene (total)	1040	130	31	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-127%
17060-07-0	1,2-Dichloroethane-D4	105%		65-132%
2037-26-5	Toluene-D8	88%		74-129%
460-00-4	4-Bromofluorobenzene	92%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-5D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-3	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	86.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70915.D	1	02/03/10	LP	01/27/10	OP41981	EM2679
Run #2	M70941.D	20	02/04/10	LP	01/27/10	OP41981	EM2680
Run #3	M70942.D	200	02/04/10	LP	01/27/10	OP41981	EM2680

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml
Run #3	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	33	ug/kg	J
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	53	ug/kg	
105-67-9	2,4-Dimethylphenol	248	170	56	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	660	40	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	660	40	ug/kg	
95-48-7	2-Methylphenol	63.2	66	38	ug/kg	
	3&4-Methylphenol	197	66	42	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	330	56	ug/kg	
87-86-5	Pentachlorophenol	ND	330	57	ug/kg	
108-95-2	Phenol	72.0	66	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	38	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	31	ug/kg	
83-32-9	Acenaphthene	29100 ^a	660	190	ug/kg	
208-96-8	Acenaphthylene	1780	33	11	ug/kg	
120-12-7	Anthracene	52200 ^a	660	230	ug/kg	
56-55-3	Benzo(a)anthracene	79000 ^b	6600	2200	ug/kg	
50-32-8	Benzo(a)pyrene	68400 ^b	6600	2000	ug/kg	
205-99-2	Benzo(b)fluoranthene	70100 ^b	6600	2200	ug/kg	
191-24-2	Benzo(g,h,i)perylene	33100 ^a	660	250	ug/kg	
207-08-9	Benzo(k)fluoranthene	31300 ^a	660	250	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	66	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	66	19	ug/kg	
91-58-7	2-Chloronaphthalene	ND	66	10	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	9190 ^a	1300	310	ug/kg	
218-01-9	Chrysene	80400 ^b	6600	2200	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	66	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	66	10	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-5D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-3	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	86.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	66	9.8	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	66	10	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	66	9.5	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	66	8.9	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	66	7.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	66	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	66	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.4	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	13100 ^a	660	230	ug/kg	
132-64-9	Dibenzofuran	15500 ^a	1300	200	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	66	7.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	66	16	ug/kg	
84-66-2	Diethyl phthalate	ND	66	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	66	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	66	29	ug/kg	
206-44-0	Fluoranthene	170000 ^b	6600	2900	ug/kg	
86-73-7	Fluorene	23100 ^a	660	220	ug/kg	
118-74-1	Hexachlorobenzene	ND	66	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	9.2	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	660	34	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.2	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	32900 ^a	660	230	ug/kg	
78-59-1	Isophorone	ND	66	8.9	ug/kg	
91-57-6	2-Methylnaphthalene	5490 ^a	1300	370	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	13	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	8820 ^a	660	180	ug/kg	
98-95-3	Nitrobenzene	ND	66	9.6	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	66	8.1	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	152000 ^b	6600	3000	ug/kg	
129-00-0	Pyrene	167000 ^b	6600	2500	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	66	8.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	67%	53%	0% ^c	30-109%
4165-62-2	Phenol-d5	68%	59%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	55%	72%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-5D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-3	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	86.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	88%	81%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	98%	104%	0% ^c	38-107%
1718-51-0	Terphenyl-d14	51%	107%	0% ^c	31-116%

- (a) Result is from Run# 2
(b) Result is from Run# 3
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-27-6D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-4	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	84.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	G126822.D	1	01/21/10	SJM	n/a	n/a	VG6021
Run #2							

	Initial Weight
Run #1	2.3 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	34.6	26	5.8	ug/kg	
71-43-2	Benzene	8.0	2.6	0.88	ug/kg	
75-27-4	Bromodichloromethane	ND	13	0.67	ug/kg	
75-25-2	Bromoform	ND	13	0.39	ug/kg	
74-83-9	Bromomethane	ND	13	1.0	ug/kg	
78-93-3	2-Butanone (MEK)	ND	26	5.1	ug/kg	
75-15-0	Carbon disulfide	8.8	13	0.79	ug/kg	J
56-23-5	Carbon tetrachloride	ND	13	1.4	ug/kg	
108-90-7	Chlorobenzene	ND	13	0.88	ug/kg	
75-00-3	Chloroethane	ND	13	2.6	ug/kg	
67-66-3	Chloroform	ND	13	0.82	ug/kg	
74-87-3	Chloromethane	ND	13	0.43	ug/kg	
124-48-1	Dibromochloromethane	ND	13	0.28	ug/kg	
75-34-3	1,1-Dichloroethane	ND	13	0.36	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.6	0.89	ug/kg	
75-35-4	1,1-Dichloroethene	ND	13	1.7	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	13	0.62	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	13	1.2	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	13	0.62	ug/kg	
78-87-5	1,2-Dichloropropane	ND	13	0.34	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	13	0.34	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	13	0.25	ug/kg	
100-41-4	Ethylbenzene	10.3	2.6	0.96	ug/kg	
591-78-6	2-Hexanone	ND	13	2.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.6	0.73	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	13	2.1	ug/kg	
75-09-2	Methylene chloride	ND	13	0.58	ug/kg	
100-42-5	Styrene	ND	13	0.28	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	13	0.76	ug/kg	
127-18-4	Tetrachloroethene	ND	13	0.38	ug/kg	
108-88-3	Toluene	13.2	2.6	0.76	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	13	0.33	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-27-6D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-4	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	84.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	13	0.48	ug/kg	
79-01-6	Trichloroethene	ND	13	1.4	ug/kg	
75-01-4	Vinyl chloride	ND	13	0.46	ug/kg	
1330-20-7	Xylene (total)	21.3	5.2	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		67-127%
17060-07-0	1,2-Dichloroethane-D4	99%		65-132%
2037-26-5	Toluene-D8	98%		74-129%
460-00-4	4-Bromofluorobenzene	80%		62-138%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-6D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-4	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	84.0
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70916.D	1	02/03/10	LP	01/27/10	OP41981	EM2679
Run #2	M70943.D	20	02/04/10	LP	01/27/10	OP41981	EM2680

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	55	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	57	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	680	41	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	680	41	ug/kg	
95-48-7	2-Methylphenol	ND	68	39	ug/kg	
	3&4-Methylphenol	ND	68	43	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	57	ug/kg	
87-86-5	Pentachlorophenol	ND	340	58	ug/kg	
108-95-2	Phenol	ND	68	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	13600 ^a	680	200	ug/kg	
208-96-8	Acenaphthylene	281	34	11	ug/kg	
120-12-7	Anthracene	8400 ^a	680	240	ug/kg	
56-55-3	Benzo(a)anthracene	7050 ^a	680	220	ug/kg	
50-32-8	Benzo(a)pyrene	5330 ^a	680	210	ug/kg	
205-99-2	Benzo(b)fluoranthene	5280 ^a	680	230	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1500	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	1300	34	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	68	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	68	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	68	11	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	1440	68	16	ug/kg	
218-01-9	Chrysene	3300	34	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	68	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	68	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	68	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	68	10	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-6D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-4	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	84.0
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	68	9.8	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	68	9.1	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	68	7.6	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	68	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	68	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.6	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	645	34	12	ug/kg	
132-64-9	Dibenzofuran	10800 ^a	1400	200	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	68	7.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	68	17	ug/kg	
84-66-2	Diethyl phthalate	ND	68	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	68	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	68	30	ug/kg	
206-44-0	Fluoranthene	17200 ^a	680	300	ug/kg	
86-73-7	Fluorene	11500 ^a	680	220	ug/kg	
118-74-1	Hexachlorobenzene	ND	68	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.5	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	680	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.5	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1510	34	12	ug/kg	
78-59-1	Isophorone	ND	68	9.1	ug/kg	
91-57-6	2-Methylnaphthalene	12000 ^a	1400	380	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	28200 ^a	680	190	ug/kg	
98-95-3	Nitrobenzene	ND	68	9.8	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	68	8.3	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	34800 ^a	680	310	ug/kg	
129-00-0	Pyrene	18800 ^a	680	260	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	68	9.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	66%	72%	30-109%
4165-62-2	Phenol-d5	65%	81%	28-108%
118-79-6	2,4,6-Tribromophenol	74%	83%	28-125%
4165-60-0	Nitrobenzene-d5	82%	81%	28-113%
321-60-8	2-Fluorobiphenyl	99%	126% ^b	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-6D		
Lab Sample ID:	JA38084-4	Date Sampled:	01/18/10
Matrix:	SO - Soil	Date Received:	01/20/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	84.0
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	87%	110%	31-116%

- (a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-27-7D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-5	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	83.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164781.D	1	02/01/10	TDN	n/a	n/a	VD6637
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	700	160	ug/kg	
71-43-2	Benzene	ND	70	24	ug/kg	
75-27-4	Bromodichloromethane	ND	350	18	ug/kg	
75-25-2	Bromoform	ND	350	11	ug/kg	
74-83-9	Bromomethane	ND	350	28	ug/kg	
78-93-3	2-Butanone (MEK)	ND	700	140	ug/kg	
75-15-0	Carbon disulfide	ND	350	21	ug/kg	
56-23-5	Carbon tetrachloride	ND	350	39	ug/kg	
108-90-7	Chlorobenzene	ND	350	24	ug/kg	
75-00-3	Chloroethane	ND	350	70	ug/kg	
67-66-3	Chloroform	ND	350	22	ug/kg	
74-87-3	Chloromethane	ND	350	12	ug/kg	
124-48-1	Dibromochloromethane	ND	350	7.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	350	9.6	ug/kg	
107-06-2	1,2-Dichloroethane	ND	70	24	ug/kg	
75-35-4	1,1-Dichloroethene	ND	350	46	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	350	17	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	350	31	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	350	17	ug/kg	
78-87-5	1,2-Dichloropropane	ND	350	9.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	350	9.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	350	6.7	ug/kg	
100-41-4	Ethylbenzene	90.6	70	26	ug/kg	
591-78-6	2-Hexanone	ND	350	67	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	70	20	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	350	57	ug/kg	
75-09-2	Methylene chloride	ND	350	16	ug/kg	
100-42-5	Styrene	ND	350	7.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	350	20	ug/kg	
127-18-4	Tetrachloroethene	ND	350	10	ug/kg	
108-88-3	Toluene	21.0	70	20	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	350	8.9	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-27-7D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-5	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	83.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	350	13	ug/kg	
79-01-6	Trichloroethene	ND	350	37	ug/kg	
75-01-4	Vinyl chloride	ND	350	12	ug/kg	
1330-20-7	Xylene (total)	178	140	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		67-127%
17060-07-0	1,2-Dichloroethane-D4	105%		65-132%
2037-26-5	Toluene-D8	91%		74-129%
460-00-4	4-Bromofluorobenzene	101%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-7D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-5	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	83.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70976.D	1	02/04/10	LP	01/27/10	OP41981	EM2682
Run #2	M71027.D	10	02/06/10	LP	01/27/10	OP41981	EM2684

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	55	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	690	42	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	690	42	ug/kg	
95-48-7	2-Methylphenol	ND	69	39	ug/kg	
	3&4-Methylphenol	ND	69	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	58	ug/kg	
87-86-5	Pentachlorophenol	ND	340	59	ug/kg	
108-95-2	Phenol	ND	69	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	378	34	9.9	ug/kg	
208-96-8	Acenaphthylene	37.5	34	11	ug/kg	
120-12-7	Anthracene	502	34	12	ug/kg	
56-55-3	Benzo(a)anthracene	ND	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	11	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	12100 ^a	690	160	ug/kg	
218-01-9	Chrysene	ND	34	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	69	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	10	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-7D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-5	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	83.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	69	9.9	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	69	9.2	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	69	7.6	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	69	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	69	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.7	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	12	ug/kg	
132-64-9	Dibenzofuran	1460	69	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	7.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	17	ug/kg	
84-66-2	Diethyl phthalate	ND	69	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	91.9	69	30	ug/kg	
206-44-0	Fluoranthene	21.9	34	15	ug/kg	J
86-73-7	Fluorene	3390	34	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.5	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.5	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	12	ug/kg	
78-59-1	Isophorone	ND	69	9.2	ug/kg	
91-57-6	2-Methylnaphthalene	1380	69	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	20800 ^a	340	94	ug/kg	
98-95-3	Nitrobenzene	ND	69	9.9	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	8.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	1770	34	16	ug/kg	
129-00-0	Pyrene	24.8	34	13	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	69	9.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%	63%	30-109%
4165-62-2	Phenol-d5	67%	68%	28-108%
118-79-6	2,4,6-Tribromophenol	80%	80%	28-125%
4165-60-0	Nitrobenzene-d5	72%	74%	28-113%
321-60-8	2-Fluorobiphenyl	87%	94%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PI-27-7D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-5	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	83.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	102%	117% ^b	31-116%

(a) Result is from Run# 2

(b) Outside of in house control limits due to dilution, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-27-8D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-6	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	78.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D164724.D	1	01/30/10	TDN	n/a	n/a	VD6634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3900	870	ug/kg	
71-43-2	Benzene	836	390	130	ug/kg	
75-27-4	Bromodichloromethane	ND	1900	100	ug/kg	
75-25-2	Bromoform	ND	1900	59	ug/kg	
74-83-9	Bromomethane	ND	1900	160	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3900	770	ug/kg	
75-15-0	Carbon disulfide	ND	1900	120	ug/kg	
56-23-5	Carbon tetrachloride	ND	1900	220	ug/kg	
108-90-7	Chlorobenzene	ND	1900	130	ug/kg	
75-00-3	Chloroethane	ND	1900	390	ug/kg	
67-66-3	Chloroform	ND	1900	120	ug/kg	
74-87-3	Chloromethane	ND	1900	64	ug/kg	
124-48-1	Dibromochloromethane	ND	1900	43	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1900	54	ug/kg	
107-06-2	1,2-Dichloroethane	ND	390	130	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1900	260	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1900	93	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1900	170	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	1900	93	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1900	51	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1900	52	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1900	37	ug/kg	
100-41-4	Ethylbenzene	22800	390	140	ug/kg	
591-78-6	2-Hexanone	ND	1900	370	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	390	110	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	1900	320	ug/kg	
75-09-2	Methylene chloride	ND	1900	87	ug/kg	
100-42-5	Styrene	ND	1900	42	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1900	110	ug/kg	
127-18-4	Tetrachloroethene	ND	1900	56	ug/kg	
108-88-3	Toluene	19500	390	110	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1900	50	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-27-8D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-6	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	78.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1900	72	ug/kg	
79-01-6	Trichloroethene	ND	1900	200	ug/kg	
75-01-4	Vinyl chloride	ND	1900	69	ug/kg	
1330-20-7	Xylene (total)	132000	780	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-127%
17060-07-0	1,2-Dichloroethane-D4	104%		65-132%
2037-26-5	Toluene-D8	90%		74-129%
460-00-4	4-Bromofluorobenzene	92%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: PI-27-8D
Lab Sample ID: JA38084-6
Matrix: SO - Soil
Method: SW846 8270C SW846 3550B
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 01/18/10

Date Received: 01/20/10

Percent Solids: 78.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70917.D	1	02/03/10	LP	01/27/10	OP41981	EM2679
Run #2	M70944.D	20	02/04/10	LP	01/27/10	OP41981	EM2680
Run #3	M70945.D	100	02/04/10	LP	01/27/10	OP41981	EM2680
Run #4	M70946.D	1000	02/04/10	LP	01/27/10	OP41981	EM2680

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml
Run #3	35.0 g	1.0 ml
Run #4	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	37	ug/kg	J
59-50-7	4-Chloro-3-methyl phenol	ND	180	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	59	ug/kg	
105-67-9	2,4-Dimethylphenol	155	180	61	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	730	45	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	730	45	ug/kg	
95-48-7	2-Methylphenol	ND	73	42	ug/kg	
	3&4-Methylphenol	ND	73	46	ug/kg	
88-75-5	2-Nitrophenol	ND	180	39	ug/kg	
100-02-7	4-Nitrophenol	ND	370	62	ug/kg	
87-86-5	Pentachlorophenol	ND	370	62	ug/kg	
108-95-2	Phenol	ND	73	38	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	132000 ^a	3700	1100	ug/kg	
208-96-8	Acenaphthylene	11500 ^b	730	230	ug/kg	
120-12-7	Anthracene	56100 ^b	730	260	ug/kg	
56-55-3	Benzo(a)anthracene	13900 ^b	730	240	ug/kg	
50-32-8	Benzo(a)pyrene	8180 ^b	730	220	ug/kg	
205-99-2	Benzo(b)fluoranthene	7240 ^b	730	240	ug/kg	
191-24-2	Benzo(g,h,i)perylene	2820	37	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	4570 ^b	730	270	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	14900 ^b	1500	340	ug/kg	
218-01-9	Chrysene	13200 ^b	730	250	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-8D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-6	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	78.2
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	73	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	73	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	73	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	73	9.8	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	73	8.1	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	73	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	73	14	ug/kg	
91-94-1	3,3' -Dichlorobenzidine	ND	180	9.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1110	37	12	ug/kg	
132-64-9	Dibenzofuran	ND ^b	1500	220	ug/kg	
132-64-9	Dibenzofuran	121000 ^c	73000	11000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	8.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	18	ug/kg	
84-66-2	Diethyl phthalate	ND	73	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	315	73	32	ug/kg	
206-44-0	Fluoranthene	64500 ^b	730	320	ug/kg	
86-73-7	Fluorene	107000 ^a	3700	1200	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	730	37	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	2720	37	13	ug/kg	
78-59-1	Isophorone	ND	73	9.8	ug/kg	
91-57-6	2-Methylnaphthalene	338000 ^a	7300	2000	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	15	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	1570000 ^c	37000	10000	ug/kg	
98-95-3	Nitrobenzene	ND	73	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	8.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	22	ug/kg	
85-01-8	Phenanthrene	234000 ^a	3700	1700	ug/kg	
129-00-0	Pyrene	49300 ^b	730	280	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	73	9.7	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PI-27-8D	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-6	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	78.2
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	59%	26% ^d	0% ^d	30-109%
4165-62-2	Phenol-d5	76%	77%	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	75%	84%	0% ^d	28-125%
4165-60-0	Nitrobenzene-d5	34%	98%	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	40%	106%	0% ^d	38-107%
1718-51-0	Terphenyl-d14	73%	101%	0% ^d	31-116%

- (a) Result is from Run# 3
 (b) Result is from Run# 2
 (c) Result is from Run# 4
 (d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-27-S5	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-7	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3A74163.D	100	02/01/10	KPP	n/a	n/a	V3A3186
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1000	290	ug/l	
71-43-2	Benzene	11400	100	23	ug/l	
75-27-4	Bromodichloromethane	ND	100	22	ug/l	
75-25-2	Bromoform	ND	400	23	ug/l	
74-83-9	Bromomethane	ND	200	30	ug/l	
78-93-3	2-Butanone (MEK)	ND	1000	160	ug/l	
75-15-0	Carbon disulfide	ND	200	74	ug/l	
56-23-5	Carbon tetrachloride	ND	100	26	ug/l	
108-90-7	Chlorobenzene	ND	100	39	ug/l	
75-00-3	Chloroethane	ND	100	37	ug/l	
67-66-3	Chloroform	ND	100	23	ug/l	
74-87-3	Chloromethane	ND	100	29	ug/l	
124-48-1	Dibromochloromethane	ND	100	22	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	29	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	33	ug/l	
75-35-4	1,1-Dichloroethene	ND	100	40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	100	22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	100	25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	100	22	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	1810	100	27	ug/l	
591-78-6	2-Hexanone	ND	500	140	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	100	23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	500	86	ug/l	
75-09-2	Methylene chloride	ND	200	30	ug/l	
100-42-5	Styrene	ND	500	58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	24	ug/l	
127-18-4	Tetrachloroethene	ND	100	27	ug/l	
108-88-3	Toluene	5640	100	30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-27-S5	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-7	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	100	23	ug/l	
79-01-6	Trichloroethene	ND	100	24	ug/l	
75-01-4	Vinyl chloride	ND	100	44	ug/l	
1330-20-7	Xylene (total)	9430	100	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		76-120%
17060-07-0	1,2-Dichloroethane-D4	89%		64-135%
2037-26-5	Toluene-D8	96%		76-117%
460-00-4	4-Bromofluorobenzene	93%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID: PI-27-S5
Lab Sample ID: JA38084-7
Matrix: AQ - Ground Water
Method: SW846 8270C SW846 3510C
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 01/18/10

Date Received: 01/20/10

Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P47697.D	1	02/04/10	NAP	01/22/10	OP41928	EP2034
Run #2	P47721.D	10	02/04/10	NAP	01/22/10	OP41928	EP2035
Run #3	P47722.D	500	02/04/10	NAP	01/22/10	OP41928	EP2035

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	2940 ^a	2500	830	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	270 ^b	20	11	ug/l	
	3&4-Methylphenol	306 ^b	20	10	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	157 ^b	20	5.8	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	487 ^b	10	3.7	ug/l	
208-96-8	Acenaphthylene	42.1	1.0	0.27	ug/l	
120-12-7	Anthracene	166 ^b	10	1.6	ug/l	
56-55-3	Benzo(a)anthracene	40.4	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	24.9	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	19.2	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	12.0	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	15.0	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	281 ^b	20	1.7	ug/l	
218-01-9	Chrysene	41.2	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-S5	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-7	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	4.8	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	367 ^b	50	3.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	265 ^b	10	1.7	ug/l	
86-73-7	Fluorene	393 ^b	10	2.7	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	10.7	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	892 ^b	20	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	22000 ^a	500	210	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	990 ^b	10	2.1	ug/l	
129-00-0	Pyrene	178 ^b	10	1.6	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	29%	113% ^c	0% ^c	13-68%
4165-62-2	Phenol-d5	31%	38%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	80%	90%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-S5		
Lab Sample ID:	JA38084-7	Date Sampled:	01/18/10
Matrix:	AQ - Ground Water	Date Received:	01/20/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	101%	96%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	66%	84%	0% ^c	31-106%
1718-51-0	Terphenyl-d14	69%	78%	0% ^c	14-122%

(a) Result is from Run# 3

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-27-S5		
Lab Sample ID:	JA38084-7	Date Sampled:	01/18/10
Matrix:	AQ - Ground Water	Date Received:	01/20/10
Method:	SW846 8015B	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM44430.D	10	01/27/10	CY	n/a	n/a	GLM1738
Run #2 ^a	LM44411.D	1	01/27/10	CY	n/a	n/a	GLM1738

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	67.6	2.0	0.32	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	105%	123% ^b	68-114%

(a) Sample re-analyzed for further dilution. Confirmation run.

(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PI-27-S5		
Lab Sample ID:	JA38084-7	Date Sampled:	01/18/10
Matrix:	AQ - Ground Water	Date Received:	01/20/10
Method:	SW846-8015 SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z20611.D	1	01/26/10	DNM	01/25/10	OP41952	G3Z627
Run #2	3Z20641.D	10	01/27/10	DNM	01/25/10	OP41952	G3Z628

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	57.1 ^a	1.0	0.39	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	74%	94%	34-139%
16416-32-3	Tetracosane-d50	115%	127%	34-141%
438-22-2	5a-Androstane	142% ^b	86%	26-140%

(a) Result is from Run# 2

(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-1S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-8	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	G126968.D	1	01/27/10	SJM	n/a	n/a	VG6029
Run #2							

	Initial Weight
Run #1	0.90 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	68	15	ug/kg	
71-43-2	Benzene	ND	6.8	2.3	ug/kg	
75-27-4	Bromodichloromethane	ND	34	1.8	ug/kg	
75-25-2	Bromoform	ND	34	1.0	ug/kg	
74-83-9	Bromomethane	ND	34	2.8	ug/kg	
78-93-3	2-Butanone (MEK)	ND	68	13	ug/kg	
75-15-0	Carbon disulfide	4.3	34	2.1	ug/kg	J
56-23-5	Carbon tetrachloride	ND	34	3.8	ug/kg	
108-90-7	Chlorobenzene	ND	34	2.3	ug/kg	
75-00-3	Chloroethane	ND	34	6.8	ug/kg	
67-66-3	Chloroform	ND	34	2.2	ug/kg	
74-87-3	Chloromethane	ND	34	1.1	ug/kg	
124-48-1	Dibromochloromethane	ND	34	0.75	ug/kg	
75-34-3	1,1-Dichloroethane	ND	34	0.94	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6.8	2.4	ug/kg	
75-35-4	1,1-Dichloroethene	ND	34	4.5	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	34	1.6	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	34	3.1	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	34	1.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	34	0.89	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	34	0.91	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	34	0.66	ug/kg	
100-41-4	Ethylbenzene	9.5	6.8	2.5	ug/kg	
591-78-6	2-Hexanone	ND	34	6.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6.8	1.9	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	34	5.5	ug/kg	
75-09-2	Methylene chloride	ND	34	1.5	ug/kg	
100-42-5	Styrene	4.9	34	0.73	ug/kg	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	34	2.0	ug/kg	
127-18-4	Tetrachloroethene	ND	34	0.99	ug/kg	
108-88-3	Toluene	ND	6.8	2.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	34	0.87	ug/kg	

ND = Not detected MDL - Method Detection Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-19-1S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-8	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	34	1.3	ug/kg	
79-01-6	Trichloroethene	ND	34	3.6	ug/kg	
75-01-4	Vinyl chloride	ND	34	1.2	ug/kg	
1330-20-7	Xylene (total)	10.2	14	3.2	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		67-127%
17060-07-0	1,2-Dichloroethane-D4	95%		65-132%
2037-26-5	Toluene-D8	98%		74-129%
460-00-4	4-Bromofluorobenzene	96%		62-138%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-19-1S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-8	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70918.D	1	02/03/10	LP	01/27/10	OP41981	EM2679
Run #2	M70947.D	20	02/04/10	LP	01/27/10	OP41981	EM2680
Run #3	M70948.D	200	02/04/10	LP	01/27/10	OP41981	EM2680

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml
Run #3	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	56	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	700	43	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	700	43	ug/kg	
95-48-7	2-Methylphenol	ND	70	40	ug/kg	
	3&4-Methylphenol	ND	70	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	59	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	ND	70	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	33	ug/kg	
83-32-9	Acenaphthene	55100 ^a	700	200	ug/kg	
208-96-8	Acenaphthylene	717	35	11	ug/kg	
120-12-7	Anthracene	35000 ^a	700	240	ug/kg	
56-55-3	Benzo(a)anthracene	3290	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	1690	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	1660	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	745	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	1340	35	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	11	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	415	70	16	ug/kg	
218-01-9	Chrysene	3230	35	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	70	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-1S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-8	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	70	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	70	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	70	9.4	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	70	7.8	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	265	35	12	ug/kg	
132-64-9	Dibenzofuran	84500 ^b	14000	2100	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	7.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	17	ug/kg	
84-66-2	Diethyl phthalate	ND	70	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	31	ug/kg	
206-44-0	Fluoranthene	27800 ^a	700	310	ug/kg	
86-73-7	Fluorene	56900 ^a	700	230	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.7	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	36	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.7	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	696	35	12	ug/kg	
78-59-1	Isophorone	ND	70	9.4	ug/kg	
91-57-6	2-Methylnaphthalene	230	70	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	14	ug/kg	
91-20-3	Naphthalene	971	35	9.5	ug/kg	
98-95-3	Nitrobenzene	ND	70	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	8.5	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	21	ug/kg	
85-01-8	Phenanthrene	20300 ^a	700	320	ug/kg	
129-00-0	Pyrene	20800 ^a	700	270	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	70	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	60%	45%	0% ^c	30-109%
4165-62-2	Phenol-d5	65%	50%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	98%	73%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-1S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-8	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	84%	73%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	102%	110% ^d	104%	38-107%
1718-51-0	Terphenyl-d14	93%	112%	112%	31-116%

(a) Result is from Run# 2

(b) Result is from Run# 3

(c) Outside control limits due to dilution.

(d) Outside of in house control limits due to dilution, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-19-2S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-9	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	85.5
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164720.D	1	01/30/10	TDN	n/a	n/a	VD6634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	670	150	ug/kg	
71-43-2	Benzene	ND	67	23	ug/kg	
75-27-4	Bromodichloromethane	ND	330	17	ug/kg	
75-25-2	Bromoform	ND	330	10	ug/kg	
74-83-9	Bromomethane	ND	330	27	ug/kg	
78-93-3	2-Butanone (MEK)	ND	670	130	ug/kg	
75-15-0	Carbon disulfide	ND	330	20	ug/kg	
56-23-5	Carbon tetrachloride	ND	330	37	ug/kg	
108-90-7	Chlorobenzene	ND	330	23	ug/kg	
75-00-3	Chloroethane	ND	330	67	ug/kg	
67-66-3	Chloroform	ND	330	21	ug/kg	
74-87-3	Chloromethane	ND	330	11	ug/kg	
124-48-1	Dibromochloromethane	ND	330	7.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	330	9.2	ug/kg	
107-06-2	1,2-Dichloroethane	ND	67	23	ug/kg	
75-35-4	1,1-Dichloroethene	ND	330	44	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	330	16	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	330	30	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	330	16	ug/kg	
78-87-5	1,2-Dichloropropane	ND	330	8.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	330	8.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	330	6.4	ug/kg	
100-41-4	Ethylbenzene	89.7	67	25	ug/kg	
591-78-6	2-Hexanone	ND	330	64	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	67	19	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	330	54	ug/kg	
75-09-2	Methylene chloride	ND	330	15	ug/kg	
100-42-5	Styrene	ND	330	7.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	330	20	ug/kg	
127-18-4	Tetrachloroethene	ND	330	9.7	ug/kg	
108-88-3	Toluene	24.7	67	20	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	330	8.6	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-19-2S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-9	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	85.5
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	330	12	ug/kg	
79-01-6	Trichloroethene	ND	330	35	ug/kg	
75-01-4	Vinyl chloride	ND	330	12	ug/kg	
1330-20-7	Xylene (total)	182	130	31	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		67-127%
17060-07-0	1,2-Dichloroethane-D4	107%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	93%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-2S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-9	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	85.5
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70919.D	1	02/03/10	LP	01/27/10	OP41981	EM2679
Run #2	M70949.D	20	02/04/10	LP	01/27/10	OP41981	EM2680
Run #3	M70950.D	200	02/04/10	LP	01/27/10	OP41981	EM2680

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml
Run #3	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	J
59-50-7	4-Chloro-3-methyl phenol	ND	170	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	53	ug/kg	
105-67-9	2,4-Dimethylphenol	132	170	56	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	660	41	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	660	41	ug/kg	
95-48-7	2-Methylphenol	172	66	38	ug/kg	
	3&4-Methylphenol	826	66	42	ug/kg	
88-75-5	2-Nitrophenol	ND	170	35	ug/kg	
100-02-7	4-Nitrophenol	ND	330	56	ug/kg	
87-86-5	Pentachlorophenol	ND	330	57	ug/kg	
108-95-2	Phenol	324	66	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	31	ug/kg	
83-32-9	Acenaphthene	9440 ^a	660	190	ug/kg	
208-96-8	Acenaphthylene	272	33	11	ug/kg	
120-12-7	Anthracene	9810 ^a	660	230	ug/kg	
56-55-3	Benzo(a)anthracene	4680 ^a	660	220	ug/kg	
50-32-8	Benzo(a)pyrene	2070	33	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	2310	33	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1510	33	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	1810	33	12	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	66	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	66	19	ug/kg	
91-58-7	2-Chloronaphthalene	ND	66	10	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	2040	66	15	ug/kg	
218-01-9	Chrysene	4930 ^a	660	220	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	66	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	66	10	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-2S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-3	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	85.5
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	66	9.9	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	66	10	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	66	9.6	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	66	8.9	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	66	7.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	66	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	66	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.4	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	586	33	11	ug/kg	
132-64-9	Dibenzofuran	46600 ^a	1300	200	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	66	7.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	66	16	ug/kg	
84-66-2	Diethyl phthalate	ND	66	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	66	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	259	66	29	ug/kg	
206-44-0	Fluoranthene	23100 ^a	660	290	ug/kg	
86-73-7	Fluorene	27300 ^a	660	220	ug/kg	
118-74-1	Hexachlorobenzene	ND	66	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	9.2	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	660	34	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.2	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1270	33	12	ug/kg	
78-59-1	Isophorone	ND	66	8.9	ug/kg	
91-57-6	2-Methylnaphthalene	8280 ^a	1300	370	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	13	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	220000 ^b	6600	1800	ug/kg	
98-95-3	Nitrobenzene	ND	66	9.6	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	66	8.1	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	80800 ^b	6600	3000	ug/kg	
129-00-0	Pyrene	17900 ^a	660	260	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	66	8.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	67%	64%	0% ^c	30-109%
4165-62-2	Phenol-d5	69%	58%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	68%	67%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-2S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-9	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	85.5
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	51%	85%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	78%	108% ^c	0% ^c	38-107%
1718-51-0	Terphenyl-d14	83%	100%	0% ^c	31-116%

- (a) Result is from Run# 2
(b) Result is from Run# 3
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-S8	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-10	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A85758.D	100	02/02/10	TGE	n/a	n/a	V1A3657
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1000	290	ug/l	
71-43-2	Benzene	4230	100	23	ug/l	
75-27-4	Bromodichloromethane	ND	100	22	ug/l	
75-25-2	Bromoform	ND	400	23	ug/l	
74-83-9	Bromomethane	ND	200	30	ug/l	
78-93-3	2-Butanone (MEK)	ND	1000	160	ug/l	
75-15-0	Carbon disulfide	ND	200	74	ug/l	
56-23-5	Carbon tetrachloride	ND	100	26	ug/l	
108-90-7	Chlorobenzene	ND	100	39	ug/l	
75-00-3	Chloroethane	ND	100	37	ug/l	
67-66-3	Chloroform	ND	100	23	ug/l	
74-87-3	Chloromethane	ND	100	29	ug/l	
124-48-1	Dibromochloromethane	ND	100	22	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	29	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	33	ug/l	
75-35-4	1,1-Dichloroethene	ND	100	40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	100	22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	100	25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	100	22	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	734	100	27	ug/l	
591-78-6	2-Hexanone	ND	500	140	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	100	23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	500	86	ug/l	
75-09-2	Methylene chloride	ND	200	30	ug/l	
100-42-5	Styrene	ND	500	58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	24	ug/l	
127-18-4	Tetrachloroethene	ND	100	27	ug/l	
108-88-3	Toluene	10800	100	30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-27-S8	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-10	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	100	23	ug/l	
79-01-6	Trichloroethene	ND	100	24	ug/l	
75-01-4	Vinyl chloride	ND	100	44	ug/l	
1330-20-7	Xylene (total)	3850	100	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		76-120%
17060-07-0	1,2-Dichloroethane-D4	92%		64-135%
2037-26-5	Toluene-D8	100%		76-117%
460-00-4	4-Bromofluorobenzene	85%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-S8	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-10	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P47691.D	1	02/03/10	NAP	01/22/10	OP41928	EP2034
Run #2	P47711.D	10	02/04/10	NAP	01/22/10	OP41928	EP2035
Run #3	P47712.D	100	02/04/10	NAP	01/22/10	OP41928	EP2035

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	1260 ^a	500	170	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	94.8	2.0	1.1	ug/l	
	3&4-Methylphenol	143 ^b	20	10	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	39.2	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	148 ^b	10	3.7	ug/l	
208-96-8	Acenaphthylene	19.2	1.0	0.27	ug/l	
120-12-7	Anthracene	20.4	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	1.7	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	1.1	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	2.5	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.57	1.0	0.12	ug/l	J
207-08-9	Benzo(k)fluoranthene	0.70	1.0	0.38	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	211 ^b	20	1.7	ug/l	
218-01-9	Chrysene	1.6	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-S8	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-10	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	1.5	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	91.9	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.8	2.0	0.33	ug/l	
206-44-0	Fluoranthene	11.1	1.0	0.17	ug/l	
86-73-7	Fluorene	72.7	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	1.8	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	473 ^b	20	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	9940 ^a	100	43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	82.9	1.0	0.21	ug/l	
129-00-0	Pyrene	7.4	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	28%	26%	0% ^c	13-68%
4165-62-2	Phenol-d5	31%	37%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	80%	98%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-S8		
Lab Sample ID:	JA38084-10	Date Sampled:	01/19/10
Matrix:	AQ - Ground Water	Date Received:	01/20/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	90%	96%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	70%	92%	0% ^c	31-106%
1718-51-0	Terphenyl-d14	61%	92%	0% ^c	14-122%

(a) Result is from Run# 3

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.10

3

Client Sample ID:	PI-27-S8		
Lab Sample ID:	JA38084-10	Date Sampled:	01/19/10
Matrix:	AQ - Ground Water	Date Received:	01/20/10
Method:	SW846 8015B	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LM44551.D	20	02/02/10	CY	n/a	n/a	GLM1742
Run #2 ^a	LM44412.D	1	01/27/10	CY	n/a	n/a	GLM1738

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	86.9	4.0	0.64	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	106%	116% ^b	68-114%

(a) Sample re-analyzed for further dilution. Confirmation run.

(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3.10

3

Client Sample ID:	PI-27-S8		
Lab Sample ID:	JA38084-10	Date Sampled:	01/19/10
Matrix:	AQ - Ground Water	Date Received:	01/20/10
Method:	SW846-8015 SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z20612.D	1	01/26/10	DNM	01/25/10	OP41952	G3Z627
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	47.4	0.10	0.039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	143% ^a		34-139%
16416-32-3	Tetracosane-d50	85%		34-141%
438-22-2	5a-Androstane	104%		26-140%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-19-3S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-11	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	71.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164718.D	1	01/30/10	TDN	n/a	n/a	VD6634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	890	200	ug/kg	
71-43-2	Benzene	1990	89	30	ug/kg	
75-27-4	Bromodichloromethane	ND	450	23	ug/kg	
75-25-2	Bromoform	ND	450	13	ug/kg	
74-83-9	Bromomethane	ND	450	36	ug/kg	
78-93-3	2-Butanone (MEK)	ND	890	180	ug/kg	
75-15-0	Carbon disulfide	ND	450	27	ug/kg	
56-23-5	Carbon tetrachloride	ND	450	50	ug/kg	
108-90-7	Chlorobenzene	ND	450	30	ug/kg	
75-00-3	Chloroethane	ND	450	89	ug/kg	
67-66-3	Chloroform	ND	450	28	ug/kg	
74-87-3	Chloromethane	ND	450	15	ug/kg	
124-48-1	Dibromochloromethane	ND	450	9.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	450	12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	89	31	ug/kg	
75-35-4	1,1-Dichloroethene	ND	450	59	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	450	21	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	450	40	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	450	21	ug/kg	
78-87-5	1,2-Dichloropropane	ND	450	12	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	450	12	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	450	8.6	ug/kg	
100-41-4	Ethylbenzene	2590	89	33	ug/kg	
591-78-6	2-Hexanone	ND	450	86	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	89	25	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	450	72	ug/kg	
75-09-2	Methylene chloride	ND	450	20	ug/kg	
100-42-5	Styrene	ND	450	9.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	450	26	ug/kg	
127-18-4	Tetrachloroethene	ND	450	13	ug/kg	
108-88-3	Toluene	613	89	26	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	450	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-19-3S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-11	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	71.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	450	17	ug/kg	
79-01-6	Trichloroethene	ND	450	47	ug/kg	
75-01-4	Vinyl chloride	ND	450	16	ug/kg	
1330-20-7	Xylene (total)	13200	180	42	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		67-127%
17060-07-0	1,2-Dichloroethane-D4	106%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	91%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
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 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-19-3S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-11	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	71.8
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70977.D	1	02/04/10	LP	01/27/10	OP41981	EM2682
Run #2	M71028.D	20	02/06/10	LP	01/27/10	OP41981	EM2684

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	200	40	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	40	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	64	ug/kg	
105-67-9	2,4-Dimethylphenol	2660	200	67	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	800	49	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	800	49	ug/kg	
95-48-7	2-Methylphenol	ND	80	45	ug/kg	
	3&4-Methylphenol	ND	80	51	ug/kg	
88-75-5	2-Nitrophenol	ND	200	42	ug/kg	
100-02-7	4-Nitrophenol	ND	400	67	ug/kg	
87-86-5	Pentachlorophenol	ND	400	68	ug/kg	
108-95-2	Phenol	ND	80	42	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	46	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	37	ug/kg	
83-32-9	Acenaphthene	2940	40	12	ug/kg	
208-96-8	Acenaphthylene	68.7	40	13	ug/kg	
120-12-7	Anthracene	1450	40	14	ug/kg	
56-55-3	Benzo(a)anthracene	231	40	13	ug/kg	
50-32-8	Benzo(a)pyrene	126	40	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	84.6	40	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	72.5	40	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	115	40	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	80	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	80	23	ug/kg	
91-58-7	2-Chloronaphthalene	ND	80	12	ug/kg	
106-47-8	4-Chloroaniline	ND	200	13	ug/kg	
86-74-8	Carbazole	329	80	18	ug/kg	
218-01-9	Chrysene	213	40	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	80	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	80	12	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	80	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	80	12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-3S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-11	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	71.8
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	80	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	80	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	80	8.9	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	80	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	80	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	200	10	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	25.1	40	14	ug/kg	J
132-64-9	Dibenzofuran	2640	80	12	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	80	8.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	80	19	ug/kg	
84-66-2	Diethyl phthalate	ND	80	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	80	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	52.2	80	35	ug/kg	J
206-44-0	Fluoranthene	1360	40	18	ug/kg	
86-73-7	Fluorene	2450	40	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	80	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	40	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	800	41	ug/kg	
67-72-1	Hexachloroethane	ND	200	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	58.9	40	14	ug/kg	
78-59-1	Isophorone	ND	80	11	ug/kg	
91-57-6	2-Methylnaphthalene	5430 ^a	1600	440	ug/kg	
88-74-4	2-Nitroaniline	ND	200	18	ug/kg	
99-09-2	3-Nitroaniline	ND	200	16	ug/kg	
100-01-6	4-Nitroaniline	ND	200	16	ug/kg	
91-20-3	Naphthalene	29800 ^a	800	220	ug/kg	
98-95-3	Nitrobenzene	ND	80	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	80	9.7	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	24	ug/kg	
85-01-8	Phenanthrene	6510 ^a	800	360	ug/kg	
129-00-0	Pyrene	1030	40	15	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	80	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%	56%	30-109%
4165-62-2	Phenol-d5	53%	40%	28-108%
118-79-6	2,4,6-Tribromophenol	69%	68%	28-125%
4165-60-0	Nitrobenzene-d5	71%	65%	28-113%
321-60-8	2-Fluorobiphenyl	84%	84%	38-107%

ND = Not detected MDL - Method Detection Limit

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-3S		
Lab Sample ID:	JA38084-11	Date Sampled:	01/19/10
Matrix:	SO - Soil	Date Received:	01/20/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	71.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	92%	99%	31-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-19-4S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-12	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	71.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164785.D	1	02/01/10	TDN	n/a	n/a	VD6637
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	2.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	45000	10000	ug/kg	J
71-43-2	Benzene	2800	4500	1500	ug/kg	
75-27-4	Bromodichloromethane	ND	23000	1200	ug/kg	
75-25-2	Bromoform	ND	23000	680	ug/kg	
74-83-9	Bromomethane	ND	23000	1800	ug/kg	
78-93-3	2-Butanone (MEK)	ND	45000	8900	ug/kg	
75-15-0	Carbon disulfide	ND	23000	1400	ug/kg	
56-23-5	Carbon tetrachloride	ND	23000	2500	ug/kg	
108-90-7	Chlorobenzene	ND	23000	1500	ug/kg	
75-00-3	Chloroethane	ND	23000	4500	ug/kg	
67-66-3	Chloroform	ND	23000	1400	ug/kg	
74-87-3	Chloromethane	ND	23000	740	ug/kg	
124-48-1	Dibromochloromethane	ND	23000	500	ug/kg	
75-34-3	1,1-Dichloroethane	ND	23000	620	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4500	1600	ug/kg	
75-35-4	1,1-Dichloroethene	ND	23000	3000	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	23000	1100	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	23000	2000	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	23000	1100	ug/kg	
78-87-5	1,2-Dichloropropane	ND	23000	590	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	23000	600	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	23000	430	ug/kg	
100-41-4	Ethylbenzene	53900	4500	1700	ug/kg	
591-78-6	2-Hexanone	ND	23000	4300	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4500	1300	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	23000	3700	ug/kg	
75-09-2	Methylene chloride	ND	23000	1000	ug/kg	
100-42-5	Styrene	ND	23000	480	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	23000	1300	ug/kg	
127-18-4	Tetrachloroethene	ND	23000	650	ug/kg	
108-88-3	Toluene	42600	4500	1300	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	23000	580	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-19-4S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-12	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	71.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	23000	830	ug/kg	
79-01-6	Trichloroethene	ND	23000	2400	ug/kg	
75-01-4	Vinyl chloride	ND	23000	800	ug/kg	
1330-20-7	Xylene (total)	237000	9000	2100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	107%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	93%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-4S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-12	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	71.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70928.D	2	02/03/10	LP	01/27/10	OP41981	EM2679
Run #2	M71009.D	40	02/05/10	LP	01/27/10	OP41981	EM2683
Run #3	M71010.D	400	02/05/10	LP	01/27/10	OP41981	EM2683

	Initial Weight	Final Volume
Run #1	5.4 g	1.0 ml
Run #2	5.4 g	1.0 ml
Run #3	5.4 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	2600	520	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	2600	520	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	2600	840	ug/kg	
105-67-9	2,4-Dimethylphenol	1850	2600	870	ug/kg	J
51-28-5	2,4-Dinitrophenol	ND	10000	630	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	10000	630	ug/kg	
95-48-7	2-Methylphenol	ND	1000	590	ug/kg	
	3&4-Methylphenol	2460	1000	660	ug/kg	
88-75-5	2-Nitrophenol	ND	2600	550	ug/kg	
100-02-7	4-Nitrophenol	ND	5200	880	ug/kg	
87-86-5	Pentachlorophenol	ND	5200	890	ug/kg	
108-95-2	Phenol	ND	1000	540	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	2600	600	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	2600	490	ug/kg	
83-32-9	Acenaphthene	478000 ^a	10000	3000	ug/kg	
208-96-8	Acenaphthylene	18800	520	170	ug/kg	
120-12-7	Anthracene	933000 ^a	10000	3600	ug/kg	
56-55-3	Benzo(a)anthracene	591000 ^a	10000	3400	ug/kg	
50-32-8	Benzo(a)pyrene	472000 ^a	10000	3200	ug/kg	
205-99-2	Benzo(b)fluoranthene	328000 ^a	10000	3500	ug/kg	
191-24-2	Benzo(g,h,i)perylene	211000 ^a	10000	3900	ug/kg	
207-08-9	Benzo(k)fluoranthene	39400	520	200	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	1000	190	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	1000	300	ug/kg	
91-58-7	2-Chloronaphthalene	ND	1000	160	ug/kg	
106-47-8	4-Chloroaniline	ND	2600	170	ug/kg	
86-74-8	Carbazole	178000 ^a	21000	4800	ug/kg	
218-01-9	Chrysene	595000 ^a	10000	3500	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	1000	210	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	1000	160	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-4S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-12	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	71.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	1000	150	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1000	160	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1000	150	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1000	140	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1000	120	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	1000	230	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	1000	200	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	2600	130	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	80900 ^a	10000	3500	ug/kg	
132-64-9	Dibenzofuran	293000 ^a	21000	3100	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	1000	120	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	1000	250	ug/kg	
84-66-2	Diethyl phthalate	ND	1000	180	ug/kg	
131-11-3	Dimethyl phthalate	ND	1000	180	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1000	460	ug/kg	
206-44-0	Fluoranthene	1260000 ^b	100000	46000	ug/kg	
86-73-7	Fluorene	530000 ^a	10000	3400	ug/kg	
118-74-1	Hexachlorobenzene	ND	1000	170	ug/kg	
87-68-3	Hexachlorobutadiene	ND	520	140	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	10000	530	ug/kg	
67-72-1	Hexachloroethane	ND	2600	140	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	186000 ^a	10000	3600	ug/kg	
78-59-1	Isophorone	ND	1000	140	ug/kg	
91-57-6	2-Methylnaphthalene	223000 ^a	21000	5800	ug/kg	
88-74-4	2-Nitroaniline	ND	2600	230	ug/kg	
99-09-2	3-Nitroaniline	ND	2600	210	ug/kg	
100-01-6	4-Nitroaniline	ND	2600	200	ug/kg	
91-20-3	Naphthalene	1270000 ^b	100000	28000	ug/kg	
98-95-3	Nitrobenzene	ND	1000	150	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	1000	130	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	2600	310	ug/kg	
85-01-8	Phenanthrene	1570000 ^b	100000	47000	ug/kg	
129-00-0	Pyrene	1410000 ^b	100000	40000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1000	140	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	67%	0% ^c	0% ^c	30-109%
4165-62-2	Phenol-d5	72%	0% ^c	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	49%	0% ^c	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-4S		
Lab Sample ID:	JA38084-12	Date Sampled:	01/19/10
Matrix:	SO - Soil	Date Received:	01/20/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	71.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	73%	0% ^c	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	93%	0% ^c	0% ^c	38-107%
1718-51-0	Terphenyl-d14	46%	0% ^c	0% ^c	31-116%

- (a) Result is from Run# 2
 (b) Result is from Run# 3
 (c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-5S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-13	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	77.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D164729.D	1	01/30/10	TDN	n/a	n/a	VD6634
Run #2	D164787.D	1	02/01/10	TDN	n/a	n/a	VD6637

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	20.0 ul
Run #2	10.0 g	10.0 ml	1.0 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	4000	890	ug/kg	
71-43-2	Benzene	23700	400	140	ug/kg	
75-27-4	Bromodichloromethane	ND	2000	100	ug/kg	
75-25-2	Bromoform	ND	2000	60	ug/kg	
74-83-9	Bromomethane	ND	2000	160	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4000	790	ug/kg	
75-15-0	Carbon disulfide	ND	2000	120	ug/kg	
56-23-5	Carbon tetrachloride	ND	2000	220	ug/kg	
108-90-7	Chlorobenzene	ND	2000	140	ug/kg	
75-00-3	Chloroethane	ND	2000	400	ug/kg	
67-66-3	Chloroform	ND	2000	130	ug/kg	
74-87-3	Chloromethane	ND	2000	66	ug/kg	
124-48-1	Dibromochloromethane	ND	2000	44	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2000	55	ug/kg	
107-06-2	1,2-Dichloroethane	ND	400	140	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2000	260	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2000	95	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2000	180	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	2000	95	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2000	52	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2000	53	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2000	38	ug/kg	
100-41-4	Ethylbenzene	149000 ^a	8000	3000	ug/kg	
591-78-6	2-Hexanone	ND	2000	380	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	400	110	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2000	320	ug/kg	
75-09-2	Methylene chloride	ND	2000	89	ug/kg	
100-42-5	Styrene	ND	2000	43	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2000	120	ug/kg	
127-18-4	Tetrachloroethene	ND	2000	58	ug/kg	
108-88-3	Toluene	601000 ^a	8000	2300	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2000	51	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-5S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-13	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	77.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2000	74	ug/kg	
79-01-6	Trichloroethene	ND	2000	210	ug/kg	
75-01-4	Vinyl chloride	ND	2000	71	ug/kg	
1330-20-7	Xylene (total)	698000 ^a	16000	3700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%	90%	67-127%
17060-07-0	1,2-Dichloroethane-D4	106%	107%	65-132%
2037-26-5	Toluene-D8	91%	88%	74-129%
460-00-4	4-Bromofluorobenzene	100%	91%	62-138%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-5S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-13	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	77.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70920.D	1	02/03/10	LP	01/27/10	OP41981	EM2679
Run #2	M70951.D	20	02/04/10	LP	01/27/10	OP41981	EM2680
Run #3	M70981.D	200	02/05/10	LP	01/27/10	OP41981	EM2682
Run #4	M70982.D	2000	02/05/10	LP	01/27/10	OP41981	EM2682

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml
Run #3	35.2 g	1.0 ml
Run #4	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	37	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	59	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	62	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	740	45	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	740	45	ug/kg	
95-48-7	2-Methylphenol	ND	74	42	ug/kg	
	3&4-Methylphenol	ND	74	47	ug/kg	
88-75-5	2-Nitrophenol	ND	180	39	ug/kg	
100-02-7	4-Nitrophenol	ND	370	62	ug/kg	
87-86-5	Pentachlorophenol	ND	370	63	ug/kg	
108-95-2	Phenol	ND	74	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	35	ug/kg	
83-32-9	Acenaphthene	183000 ^a	7400	2100	ug/kg	
208-96-8	Acenaphthylene	1630	37	12	ug/kg	
120-12-7	Anthracene	67800 ^a	7400	2600	ug/kg	
56-55-3	Benzo(a)anthracene	8340 ^b	740	240	ug/kg	
50-32-8	Benzo(a)pyrene	2670	37	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	2960	37	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1130	37	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	1100	37	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	74	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	18400 ^b	1500	340	ug/kg	
218-01-9	Chrysene	8220 ^b	740	250	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-5S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-13	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	77.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	74	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	74	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	74	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	74	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	74	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	74	9.9	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	74	8.2	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	74	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	74	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.4	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	396	37	13	ug/kg	
132-64-9	Dibenzofuran	156000 ^a	15000	2200	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	74	8.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	74	18	ug/kg	
84-66-2	Diethyl phthalate	ND	74	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	74	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	74	33	ug/kg	
206-44-0	Fluoranthene	58800 ^b	740	320	ug/kg	
86-73-7	Fluorene	134000 ^a	7400	2400	ug/kg	
118-74-1	Hexachlorobenzene	ND	74	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	740	38	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1110	37	13	ug/kg	
78-59-1	Isophorone	ND	74	9.9	ug/kg	
91-57-6	2-Methylnaphthalene	405000 ^a	15000	4100	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	15	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	5340000 ^c	74000	20000	ug/kg	
98-95-3	Nitrobenzene	ND	74	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	9.0	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	22	ug/kg	
85-01-8	Phenanthrene	245000 ^a	7400	3400	ug/kg	
129-00-0	Pyrene	42100 ^b	740	280	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	74	9.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	78%	70%	0% ^d	30-109%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-5S			Date Sampled:	01/20/10
Lab Sample ID:	JA38084-13			Date Received:	01/20/10
Matrix:	SO - Soil			Percent Solids:	77.1
Method:	SW846 8270C SW846 3550B				
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY				

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	76%	73%	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	75%	77%	0% ^d	28-125%
4165-60-0	Nitrobenzene-d5	20% ^e	58%	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	45%	111% ^f	0% ^d	38-107%
1718-51-0	Terphenyl-d14	85%	103%	0% ^d	31-116%

(a) Result is from Run# 3

(b) Result is from Run# 2

(c) Result is from Run# 4

(d) Outside control limits due to dilution.

(e) Outside control limits due to matrix interference.

(f) Outside of in house control limits due to dilution, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-6S		
Lab Sample ID:	JA38084-14	Date Sampled:	01/20/10
Matrix:	SO - Soil	Date Received:	01/20/10
Method:	SW846 8260B	Percent Solids:	77.5
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D164730.D	1	01/30/10	TDN	n/a	n/a	VD6634
Run #2	D164788.D	1	02/01/10	TDN	n/a	n/a	VD6637

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	20.0 ul
Run #2	10.0 g	10.0 ml	1.0 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	4000	880	ug/kg	J
71-43-2	Benzene	135	400	130	ug/kg	
75-27-4	Bromodichloromethane	ND	2000	100	ug/kg	
75-25-2	Bromoform	ND	2000	60	ug/kg	
74-83-9	Bromomethane	ND	2000	160	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4000	780	ug/kg	
75-15-0	Carbon disulfide	ND	2000	120	ug/kg	
56-23-5	Carbon tetrachloride	ND	2000	220	ug/kg	
108-90-7	Chlorobenzene	ND	2000	130	ug/kg	
75-00-3	Chloroethane	ND	2000	400	ug/kg	
67-66-3	Chloroform	ND	2000	130	ug/kg	
74-87-3	Chloromethane	ND	2000	65	ug/kg	
124-48-1	Dibromochloromethane	ND	2000	43	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2000	55	ug/kg	
107-06-2	1,2-Dichloroethane	ND	400	140	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2000	260	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2000	94	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2000	180	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	2000	94	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2000	51	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2000	53	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2000	38	ug/kg	
100-41-4	Ethylbenzene	105000 ^a	7900	2900	ug/kg	
591-78-6	2-Hexanone	ND	2000	380	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	400	110	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2000	320	ug/kg	
75-09-2	Methylene chloride	ND	2000	88	ug/kg	
100-42-5	Styrene	ND	2000	42	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2000	120	ug/kg	
127-18-4	Tetrachloroethene	ND	2000	57	ug/kg	
108-88-3	Toluene	24500	400	120	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2000	51	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID:	PI-19-6S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-14	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	77.5
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2000	73	ug/kg	
79-01-6	Trichloroethene	ND	2000	210	ug/kg	
75-01-4	Vinyl chloride	ND	2000	70	ug/kg	
1330-20-7	Xylene (total)	524000 ^a	16000	3700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%	92%	67-127%
17060-07-0	1,2-Dichloroethane-D4	104%	107%	65-132%
2037-26-5	Toluene-D8	92%	89%	74-129%
460-00-4	4-Bromofluorobenzene	101%	91%	62-138%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-6S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-14	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	77.5
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70921.D	1	02/03/10	LP	01/27/10	OP41981	EM2679
Run #2	M70991.D	20	02/05/10	LP	01/27/10	OP41981	EM2682
Run #3	M70993.D	2000	02/05/10	LP	01/27/10	OP41981	EM2682

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml
Run #3	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	37	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	59	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	62	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	730	45	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	730	45	ug/kg	
95-48-7	2-Methylphenol	ND	73	42	ug/kg	
	3&4-Methylphenol	ND	73	47	ug/kg	
88-75-5	2-Nitrophenol	ND	180	39	ug/kg	
100-02-7	4-Nitrophenol	ND	370	62	ug/kg	
87-86-5	Pentachlorophenol	ND	370	63	ug/kg	
108-95-2	Phenol	ND	73	38	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	166000 ^a	73000	21000	ug/kg	
208-96-8	Acenaphthylene	1400	37	12	ug/kg	
120-12-7	Anthracene	66500 ^b	730	260	ug/kg	
56-55-3	Benzo(a)anthracene	7720 ^b	730	240	ug/kg	
50-32-8	Benzo(a)pyrene	2390	37	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	2530	37	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	971	37	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	1290	37	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	22600 ^b	1500	340	ug/kg	
218-01-9	Chrysene	7500 ^b	730	250	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-6S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-14	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	77.5
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	73	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	73	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	73	9.8	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	73	8.2	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	73	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	73	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	368	37	13	ug/kg	
132-64-9	Dibenzofuran	135000 ^a	73000	22000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	8.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	18	ug/kg	
84-66-2	Diethyl phthalate	ND	73	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	73.1	73	32	ug/kg	
206-44-0	Fluoranthene	53300 ^b	730	320	ug/kg	
86-73-7	Fluorene	112000 ^a	73000	24000	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	730	37	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	955	37	13	ug/kg	
78-59-1	Isophorone	ND	73	9.9	ug/kg	
91-57-6	2-Methylnaphthalene	318000 ^a	150000	41000	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	15	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	3140000 ^a	73000	20000	ug/kg	
98-95-3	Nitrobenzene	ND	73	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	8.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	22	ug/kg	
85-01-8	Phenanthrene	247000 ^a	73000	33000	ug/kg	
129-00-0	Pyrene	39000 ^b	730	280	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	73	9.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	84%	84%	0% ^c	30-109%
4165-62-2	Phenol-d5	69%	70%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	113%	75%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-6S			Date Sampled:	01/20/10
Lab Sample ID:	JA38084-14			Date Received:	01/20/10
Matrix:	SO - Soil			Percent Solids:	77.5
Method:	SW846 8270C SW846 3550B				
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY				

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	23% ^d	61%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	66%	119% ^e	0% ^c	38-107%
1718-51-0	Terphenyl-d14	88%	112%	0% ^c	31-116%

(a) Result is from Run# 3

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

(d) Outside control limits due to matrix interference.

(e) Outside of in house control limits due to dilution, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-16S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-15	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	65.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164719.D	1	01/30/10	TDN	n/a	n/a	VD6634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1000	230	ug/kg	
71-43-2	Benzene	5190	100	35	ug/kg	
75-27-4	Bromodichloromethane	ND	520	27	ug/kg	
75-25-2	Bromoform	ND	520	16	ug/kg	
74-83-9	Bromomethane	ND	520	42	ug/kg	
78-93-3	2-Butanone (MEK)	ND	1000	200	ug/kg	
75-15-0	Carbon disulfide	ND	520	31	ug/kg	
56-23-5	Carbon tetrachloride	ND	520	57	ug/kg	
108-90-7	Chlorobenzene	ND	520	35	ug/kg	
75-00-3	Chloroethane	ND	520	100	ug/kg	
67-66-3	Chloroform	ND	520	33	ug/kg	
74-87-3	Chloromethane	ND	520	17	ug/kg	
124-48-1	Dibromochloromethane	ND	520	11	ug/kg	
75-34-3	1,1-Dichloroethane	ND	520	14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	100	36	ug/kg	
75-35-4	1,1-Dichloroethene	ND	520	68	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	520	25	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	520	46	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	520	25	ug/kg	
78-87-5	1,2-Dichloropropane	ND	520	13	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	520	14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	520	9.9	ug/kg	
100-41-4	Ethylbenzene	3110	100	38	ug/kg	
591-78-6	2-Hexanone	ND	520	99	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	100	29	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	520	84	ug/kg	
75-09-2	Methylene chloride	ND	520	23	ug/kg	
100-42-5	Styrene	ND	520	11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	520	30	ug/kg	
127-18-4	Tetrachloroethene	ND	520	15	ug/kg	
108-88-3	Toluene	836	100	30	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	520	13	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-16S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-15	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	65.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	520	19	ug/kg	
79-01-6	Trichloroethene	ND	520	54	ug/kg	
75-01-4	Vinyl chloride	ND	520	18	ug/kg	
1330-20-7	Xylene (total)	10200	210	48	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-127%
17060-07-0	1,2-Dichloroethane-D4	104%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	91%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-16S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-15	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	65.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70922.D	1	02/03/10	LP	01/27/10	OP41981	EM2679
Run #2	M70994.D	20	02/05/10	LP	01/27/10	OP41981	EM2682
Run #3	M70995.D	200	02/05/10	LP	01/27/10	OP41981	EM2682
Run #4	M70996.D	2000	02/05/10	LP	01/27/10	OP41981	EM2682

	Initial Weight	Final Volume
Run #1	35.4 g	1.0 ml
Run #2	35.4 g	1.0 ml
Run #3	35.4 g	1.0 ml
Run #4	35.4 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	220	44	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	220	43	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	220	70	ug/kg	
105-67-9	2,4-Dimethylphenol	3340	220	73	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	870	53	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	870	53	ug/kg	
95-48-7	2-Methylphenol	218	87	49	ug/kg	
	3&4-Methylphenol	199	87	55	ug/kg	
88-75-5	2-Nitrophenol	ND	220	46	ug/kg	
100-02-7	4-Nitrophenol	ND	430	73	ug/kg	
87-86-5	Pentachlorophenol	ND	430	74	ug/kg	
108-95-2	Phenol	171	87	45	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	220	50	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	220	41	ug/kg	
83-32-9	Acenaphthene	46300 ^a	870	250	ug/kg	
208-96-8	Acenaphthylene	1600	43	14	ug/kg	
120-12-7	Anthracene	20400 ^a	870	300	ug/kg	
56-55-3	Benzo(a)anthracene	3650	43	14	ug/kg	
50-32-8	Benzo(a)pyrene	2390	43	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	2130	43	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1160	43	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	1590	43	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	87	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	87	25	ug/kg	
91-58-7	2-Chloronaphthalene	ND	87	13	ug/kg	
106-47-8	4-Chloroaniline	ND	220	14	ug/kg	
86-74-8	Carbazole	10200 ^a	1700	400	ug/kg	
218-01-9	Chrysene	3820	43	15	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-16S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-15	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	65.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	87	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	87	13	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	87	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	87	13	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	87	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	87	12	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	87	9.6	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	87	19	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	87	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	220	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	393	43	15	ug/kg	
132-64-9	Dibenzofuran	41000 ^a	1700	260	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	87	9.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	87	21	ug/kg	
84-66-2	Diethyl phthalate	ND	87	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	87	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	87	38	ug/kg	
206-44-0	Fluoranthene	23600 ^a	870	380	ug/kg	
86-73-7	Fluorene	37700 ^a	870	280	ug/kg	
118-74-1	Hexachlorobenzene	ND	87	14	ug/kg	
87-68-3	Hexachlorobutadiene	ND	43	12	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	870	44	ug/kg	
67-72-1	Hexachloroethane	ND	220	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1030	43	15	ug/kg	
78-59-1	Isophorone	ND	87	12	ug/kg	
91-57-6	2-Methylnaphthalene	101000 ^b	17000	4800	ug/kg	
88-74-4	2-Nitroaniline	ND	220	19	ug/kg	
99-09-2	3-Nitroaniline	ND	220	17	ug/kg	
100-01-6	4-Nitroaniline	ND	220	17	ug/kg	
91-20-3	Naphthalene	1720000 ^c	87000	24000	ug/kg	
98-95-3	Nitrobenzene	ND	87	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	87	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	220	26	ug/kg	
85-01-8	Phenanthrene	80500 ^a	870	390	ug/kg	
129-00-0	Pyrene	17500 ^a	870	330	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	87	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	70%	39%	0% ^d	30-109%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-16S		
Lab Sample ID:	JA38084-15	Date Sampled:	01/20/10
Matrix:	SO - Soil	Date Received:	01/20/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	65.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	65%	60%	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	81%	56%	0% ^d	28-125%
4165-60-0	Nitrobenzene-d5	49%	79%	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	82%	107%	0% ^d	38-107%
1718-51-0	Terphenyl-d14	84%	93%	0% ^d	31-116%

- (a) Result is from Run# 2
 (b) Result is from Run# 3
 (c) Result is from Run# 4
 (d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-S4	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-16	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D41836.D	10	02/02/10	TYG	n/a	n/a	V3D1829
Run #2	3D41872.D	50	02/03/10	TYG	n/a	n/a	V3D1831

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	29	ug/l	
71-43-2	Benzene	127	10	2.3	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.2	ug/l	
75-25-2	Bromoform	ND	40	2.3	ug/l	
74-83-9	Bromomethane	ND	20	3.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	16	ug/l	
75-15-0	Carbon disulfide	ND	20	7.4	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.6	ug/l	
108-90-7	Chlorobenzene	ND	10	3.9	ug/l	
75-00-3	Chloroethane	ND	10	3.7	ug/l	
67-66-3	Chloroform	ND	10	2.3	ug/l	
74-87-3	Chloromethane	ND	10	2.9	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.9	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.3	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	2.5	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	10	2.2	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.7	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	1440	10	2.7	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	8.6	ug/l	
75-09-2	Methylene chloride	ND	20	3.0	ug/l	
100-42-5	Styrene	ND	50	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.4	ug/l	
127-18-4	Tetrachloroethene	ND	10	2.7	ug/l	
108-88-3	Toluene	1690	10	3.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.6	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-S4	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-16	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	10	2.3	ug/l	
79-01-6	Trichloroethene	ND	10	2.4	ug/l	
75-01-4	Vinyl chloride	ND	10	4.4	ug/l	
1330-20-7	Xylene (total)	5040 ^a	50	13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	95%	76-120%
17060-07-0	1,2-Dichloroethane-D4	101%	91%	64-135%
2037-26-5	Toluene-D8	103%	102%	76-117%
460-00-4	4-Bromofluorobenzene	96%	92%	72-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3.16

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Client Sample ID:	PI-19-S4	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-16	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P47692.D	1	02/03/10	NAP	01/22/10	OP41928	EP2034
Run #2	P47713.D	10	02/04/10	NAP	01/22/10	OP41928	EP2035
Run #3	P47714.D	100	02/04/10	NAP	01/22/10	OP41928	EP2035

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	39.8	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	7.6	2.0	1.1	ug/l	
	3&4-Methylphenol	16.8	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	165 ^a	10	3.7	ug/l	
208-96-8	Acenaphthylene	3.5	1.0	0.27	ug/l	
120-12-7	Anthracene	24.9	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	1.7	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	0.77	1.0	0.095	ug/l	J
205-99-2	Benzo(b)fluoranthene	2.2	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.35	1.0	0.12	ug/l	J
207-08-9	Benzo(k)fluoranthene	0.64	1.0	0.38	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	157 ^a	20	1.7	ug/l	
218-01-9	Chrysene	1.6	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-S4	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-16	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	1.5	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	133 ^a	50	3.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.1	2.0	0.33	ug/l	
206-44-0	Fluoranthene	12.8	1.0	0.17	ug/l	
86-73-7	Fluorene	84.3	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	1.6	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	675 ^a	20	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	8850 ^b	100	43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	97.1	1.0	0.21	ug/l	
129-00-0	Pyrene	8.8	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	30%	90% ^c	0% ^c	13-68%
4165-62-2	Phenol-d5	30%	32%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	88%	95%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-S4		
Lab Sample ID:	JA38084-16	Date Sampled:	01/20/10
Matrix:	AQ - Ground Water	Date Received:	01/20/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	108%	82%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	77%	82%	0% ^c	31-106%
1718-51-0	Terphenyl-d14	71%	83%	0% ^c	14-122%

- (a) Result is from Run# 2
 (b) Result is from Run# 3
 (c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-S1	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-17	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3A74252.D	20	02/03/10	KPP	n/a	n/a	V3A3190
Run #2	3A74253.D	100	02/03/10	KPP	n/a	n/a	V3A3190

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	200	57	ug/l	
71-43-2	Benzene	5070 ^a	100	23	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.4	ug/l	
75-25-2	Bromoform	ND	80	4.6	ug/l	
74-83-9	Bromomethane	ND	40	5.9	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	32	ug/l	
75-15-0	Carbon disulfide	ND	40	15	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.1	ug/l	
108-90-7	Chlorobenzene	ND	20	7.8	ug/l	
75-00-3	Chloroethane	ND	20	7.4	ug/l	
67-66-3	Chloroform	ND	20	4.7	ug/l	
74-87-3	Chloromethane	ND	20	5.8	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.3	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	6.7	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	7.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	20	4.3	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	20	5.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	20	4.3	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	5.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.3	ug/l	
100-41-4	Ethylbenzene	3470	20	5.4	ug/l	
591-78-6	2-Hexanone	ND	100	28	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	4.7	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	17	ug/l	
75-09-2	Methylene chloride	ND	40	6.1	ug/l	
100-42-5	Styrene	ND	100	12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.8	ug/l	
127-18-4	Tetrachloroethene	ND	20	5.3	ug/l	
108-88-3	Toluene	3360	20	6.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	5.1	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-19-S1	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-17	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	20	4.6	ug/l	
79-01-6	Trichloroethene	ND	20	4.8	ug/l	
75-01-4	Vinyl chloride	ND	20	8.9	ug/l	
1330-20-7	Xylene (total)	12200 ^a	100	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	94%	76-120%
17060-07-0	1,2-Dichloroethane-D4	92%	88%	64-135%
2037-26-5	Toluene-D8	98%	98%	76-117%
460-00-4	4-Bromofluorobenzene	99%	96%	72-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-S1	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-17	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P47696.D	1	02/04/10	NAP	01/22/10	OP41928	EP2034
Run #2	P47720.D	20	02/04/10	NAP	01/22/10	OP41928	EP2035

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	164 ^a	100	33	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	10.5	2.0	1.1	ug/l	
	3&4-Methylphenol	15.5	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	4.6	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	56.4	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	5.4	1.0	0.27	ug/l	
120-12-7	Anthracene	32.0	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	14.8	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	10.3	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	9.3	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	4.7	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	5.6	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	24.6	2.0	0.17	ug/l	
218-01-9	Chrysene	14.1	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-S1	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-17	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	2.6	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	44.4	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.0	2.0	0.33	ug/l	
206-44-0	Fluoranthene	59.3	1.0	0.17	ug/l	
86-73-7	Fluorene	45.4	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	4.8	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	135 ^a	40	13	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	1150 ^a	20	8.5	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	139 ^a	20	4.2	ug/l	
129-00-0	Pyrene	45.3	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%	36%	13-68%
4165-62-2	Phenol-d5	33%	24%	10-49%
118-79-6	2,4,6-Tribromophenol	86%	59%	37-130%
4165-60-0	Nitrobenzene-d5	78%	71%	25-112%
321-60-8	2-Fluorobiphenyl	74%	65%	31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-S1		
Lab Sample ID:	JA38084-17	Date Sampled:	01/20/10
Matrix:	AQ - Ground Water	Date Received:	01/20/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	75%	67%	14-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-15S	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-18	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	71.5
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D164717.D	1	01/30/10	TDN	n/a	n/a	VD6634
Run #2	D164783.D	1	02/01/10	TDN	n/a	n/a	VD6637

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2	10.0 g	10.0 ml	5.0 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	900	200	ug/kg	
71-43-2	Benzene	3600	90	31	ug/kg	
75-27-4	Bromodichloromethane	ND	450	23	ug/kg	
75-25-2	Bromoform	ND	450	14	ug/kg	
74-83-9	Bromomethane	ND	450	36	ug/kg	
78-93-3	2-Butanone (MEK)	ND	900	180	ug/kg	
75-15-0	Carbon disulfide	ND	450	27	ug/kg	
56-23-5	Carbon tetrachloride	ND	450	50	ug/kg	
108-90-7	Chlorobenzene	ND	450	30	ug/kg	
75-00-3	Chloroethane	ND	450	90	ug/kg	
67-66-3	Chloroform	ND	450	29	ug/kg	
74-87-3	Chloromethane	ND	450	15	ug/kg	
124-48-1	Dibromochloromethane	ND	450	9.9	ug/kg	
75-34-3	1,1-Dichloroethane	ND	450	12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	90	31	ug/kg	
75-35-4	1,1-Dichloroethene	ND	450	59	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	450	21	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	450	40	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	450	21	ug/kg	
78-87-5	1,2-Dichloropropane	ND	450	12	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	450	12	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	450	8.6	ug/kg	
100-41-4	Ethylbenzene	15100	90	33	ug/kg	
591-78-6	2-Hexanone	ND	450	87	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	90	25	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	450	73	ug/kg	
75-09-2	Methylene chloride	ND	450	20	ug/kg	
100-42-5	Styrene	ND	450	9.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	450	26	ug/kg	
127-18-4	Tetrachloroethene	ND	450	13	ug/kg	
108-88-3	Toluene	8020	90	26	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	450	12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-15S	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-18	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	71.5
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	450	17	ug/kg	
79-01-6	Trichloroethene	ND	450	47	ug/kg	
75-01-4	Vinyl chloride	ND	450	16	ug/kg	
1330-20-7	Xylene (total)	59900 ^a	3600	840	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%	91%	67-127%
17060-07-0	1,2-Dichloroethane-D4	106%	106%	65-132%
2037-26-5	Toluene-D8	90%	89%	74-129%
460-00-4	4-Bromofluorobenzene	92%	92%	62-138%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-15S	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-18	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	71.5
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70923.D	1	02/03/10	LP	01/27/10	OP41981	EM2679
Run #2	M70965.D	20	02/04/10	LP	01/27/10	OP41981	EM2681
Run #3	M70966.D	200	02/04/10	LP	01/27/10	OP41981	EM2681
Run #4	M70967.D	2000	02/04/10	LP	01/27/10	OP41981	EM2681

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml
Run #3	35.0 g	1.0 ml
Run #4	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	200	40	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	40	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	64	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	67	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	800	49	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	800	49	ug/kg	
95-48-7	2-Methylphenol	ND	80	46	ug/kg	
	3&4-Methylphenol	ND	80	51	ug/kg	
88-75-5	2-Nitrophenol	ND	200	42	ug/kg	
100-02-7	4-Nitrophenol	ND	400	68	ug/kg	
87-86-5	Pentachlorophenol	ND	400	68	ug/kg	
108-95-2	Phenol	ND	80	42	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	46	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	38	ug/kg	
83-32-9	Acenaphthene	151000 ^a	8000	2300	ug/kg	
208-96-8	Acenaphthylene	2310	40	13	ug/kg	
120-12-7	Anthracene	50600 ^b	800	280	ug/kg	
56-55-3	Benzo(a)anthracene	6700 ^b	800	260	ug/kg	
50-32-8	Benzo(a)pyrene	2480	40	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	2600	40	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1070	40	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	989	40	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	80	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	80	23	ug/kg	
91-58-7	2-Chloronaphthalene	ND	80	12	ug/kg	
106-47-8	4-Chloroaniline	ND	200	13	ug/kg	
86-74-8	Carbazole	15000 ^b	1600	370	ug/kg	
218-01-9	Chrysene	6450 ^b	800	270	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-15S	Date Sampled:	01/18/10
Lab Sample ID:	JA38084-18	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	71.5
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	80	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	80	12	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	80	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	80	12	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	80	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	80	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	80	8.9	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	80	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	80	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	200	10	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	343	40	14	ug/kg	
132-64-9	Dibenzofuran	129000 ^a	16000	2400	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	80	8.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	80	19	ug/kg	
84-66-2	Diethyl phthalate	ND	80	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	80	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	80	35	ug/kg	
206-44-0	Fluoranthene	48100 ^b	800	350	ug/kg	
86-73-7	Fluorene	103000 ^a	8000	2600	ug/kg	
118-74-1	Hexachlorobenzene	ND	80	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	40	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	800	41	ug/kg	
67-72-1	Hexachloroethane	ND	200	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1050	40	14	ug/kg	
78-59-1	Isophorone	ND	80	11	ug/kg	
91-57-6	2-Methylnaphthalene	397000 ^a	16000	4500	ug/kg	
88-74-4	2-Nitroaniline	ND	200	18	ug/kg	
99-09-2	3-Nitroaniline	ND	200	16	ug/kg	
100-01-6	4-Nitroaniline	ND	200	16	ug/kg	
91-20-3	Naphthalene	2630000 ^c	80000	22000	ug/kg	
98-95-3	Nitrobenzene	ND	80	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	80	9.8	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	24	ug/kg	
85-01-8	Phenanthrene	206000 ^a	8000	3600	ug/kg	
129-00-0	Pyrene	34400 ^b	800	310	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	80	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	55%	0% ^d	0% ^d	30-109%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-15S			Date Sampled:	01/18/10
Lab Sample ID:	JA38084-18			Date Received:	01/20/10
Matrix:	SO - Soil			Percent Solids:	71.5
Method:	SW846 8270C SW846 3550B				
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY				

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	70%	77%	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	80%	73%	0% ^d	28-125%
4165-60-0	Nitrobenzene-d5	37%	83%	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	59%	118% ^e	0% ^d	38-107%
1718-51-0	Terphenyl-d14	85%	0% ^d	0% ^d	31-116%

(a) Result is from Run# 3

(b) Result is from Run# 2

(c) Result is from Run# 4

(d) Outside control limits due to dilution.

(e) Outside of in house control limits due to dilution, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-9S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-19	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	82.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G126855.D	1	01/22/10	SJM	n/a	n/a	VG6023
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	21.5	13	2.9	ug/kg	
71-43-2	Benzene	3.1	1.3	0.45	ug/kg	
75-27-4	Bromodichloromethane	ND	6.6	0.34	ug/kg	
75-25-2	Bromoform	ND	6.6	0.20	ug/kg	
74-83-9	Bromomethane	ND	6.6	0.53	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.6	ug/kg	
75-15-0	Carbon disulfide	2.5	6.6	0.40	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.6	0.73	ug/kg	
108-90-7	Chlorobenzene	ND	6.6	0.45	ug/kg	
75-00-3	Chloroethane	ND	6.6	1.3	ug/kg	
67-66-3	Chloroform	ND	6.6	0.42	ug/kg	
74-87-3	Chloromethane	ND	6.6	0.22	ug/kg	
124-48-1	Dibromochloromethane	ND	6.6	0.14	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.6	0.18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.45	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.6	0.87	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.6	0.31	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.6	0.59	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6.6	0.31	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.6	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.6	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.6	0.13	ug/kg	
100-41-4	Ethylbenzene	12.4	1.3	0.49	ug/kg	
591-78-6	2-Hexanone	ND	6.6	1.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.37	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.6	1.1	ug/kg	
75-09-2	Methylene chloride	ND	6.6	0.29	ug/kg	
100-42-5	Styrene	ND	6.6	0.14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	0.39	ug/kg	
127-18-4	Tetrachloroethene	1.6	6.6	0.19	ug/kg	J
108-88-3	Toluene	10.5	1.3	0.38	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.6	0.17	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-9S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-19	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	82.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	6.6	0.24	ug/kg	
79-01-6	Trichloroethene	ND	6.6	0.69	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	0.23	ug/kg	
1330-20-7	Xylene (total)	65.5	2.6	0.62	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		67-127%
17060-07-0	1,2-Dichloroethane-D4	98%		65-132%
2037-26-5	Toluene-D8	106%		74-129%
460-00-4	4-Bromofluorobenzene	102%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-9S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-19	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	82.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70913.D	1	02/03/10	LP	01/27/10	OP41981	EM2679
Run #2	M70937.D	5	02/04/10	LP	01/27/10	OP41981	EM2680

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	56	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	690	42	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	690	42	ug/kg	
95-48-7	2-Methylphenol	ND	69	39	ug/kg	
	3&4-Methylphenol	ND	69	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	58	ug/kg	
87-86-5	Pentachlorophenol	ND	350	59	ug/kg	
108-95-2	Phenol	ND	69	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	737	35	10	ug/kg	
208-96-8	Acenaphthylene	62.2	35	11	ug/kg	
120-12-7	Anthracene	856	35	12	ug/kg	
56-55-3	Benzo(a)anthracene	1470	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	1290	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	1290	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1100	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	791	35	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	11	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	354	69	16	ug/kg	
218-01-9	Chrysene	1750	35	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	69	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	10	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-9S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-19	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	82.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	69	9.9	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	69	9.3	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	69	7.7	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	69	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	69	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	434	35	12	ug/kg	
132-64-9	Dibenzofuran	606	69	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	7.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	17	ug/kg	
84-66-2	Diethyl phthalate	ND	69	12	ug/kg	
131-11-3	Dimethyl phthalate	42.8	69	12	ug/kg	J
117-81-7	bis(2-Ethylhexyl)phthalate	343	69	31	ug/kg	
206-44-0	Fluoranthene	4710 ^a	170	76	ug/kg	
86-73-7	Fluorene	556	35	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.6	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.6	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	818	35	12	ug/kg	
78-59-1	Isophorone	ND	69	9.3	ug/kg	
91-57-6	2-Methylnaphthalene	597	69	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	6830 ^a	170	47	ug/kg	
98-95-3	Nitrobenzene	ND	69	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	8.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	21	ug/kg	
85-01-8	Phenanthrene	3080	35	16	ug/kg	
129-00-0	Pyrene	4170 ^a	170	66	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	69	9.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%	63%	30-109%
4165-62-2	Phenol-d5	58%	58%	28-108%
118-79-6	2,4,6-Tribromophenol	57%	57%	28-125%
4165-60-0	Nitrobenzene-d5	79%	74%	28-113%
321-60-8	2-Fluorobiphenyl	86%	91%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-9S		
Lab Sample ID:	JA38084-19	Date Sampled:	01/20/10
Matrix:	SO - Soil	Date Received:	01/20/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	82.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	72%	84%	31-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-19-14S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-20	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	89.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164786.D	1	02/01/10	TDN	n/a	n/a	VD6637
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	1.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	62000	14000	ug/kg	
71-43-2	Benzene	4800	6200	2100	ug/kg	J
75-27-4	Bromodichloromethane	ND	31000	1600	ug/kg	
75-25-2	Bromoform	ND	31000	940	ug/kg	
74-83-9	Bromomethane	ND	31000	2500	ug/kg	
78-93-3	2-Butanone (MEK)	ND	62000	12000	ug/kg	
75-15-0	Carbon disulfide	ND	31000	1900	ug/kg	
56-23-5	Carbon tetrachloride	ND	31000	3400	ug/kg	
108-90-7	Chlorobenzene	ND	31000	2100	ug/kg	
75-00-3	Chloroethane	ND	31000	6200	ug/kg	
67-66-3	Chloroform	ND	31000	2000	ug/kg	
74-87-3	Chloromethane	ND	31000	1000	ug/kg	
124-48-1	Dibromochloromethane	ND	31000	680	ug/kg	
75-34-3	1,1-Dichloroethane	ND	31000	860	ug/kg	
107-06-2	1,2-Dichloroethane	ND	6200	2100	ug/kg	
75-35-4	1,1-Dichloroethene	ND	31000	4100	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	31000	1500	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	31000	2800	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	31000	1500	ug/kg	
78-87-5	1,2-Dichloropropane	ND	31000	810	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	31000	830	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	31000	600	ug/kg	
100-41-4	Ethylbenzene	3800	6200	2300	ug/kg	J
591-78-6	2-Hexanone	ND	31000	6000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	6200	1800	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	31000	5000	ug/kg	
75-09-2	Methylene chloride	ND	31000	1400	ug/kg	
100-42-5	Styrene	ND	31000	660	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	31000	1800	ug/kg	
127-18-4	Tetrachloroethene	ND	31000	900	ug/kg	
108-88-3	Toluene	10200	6200	1800	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	31000	790	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-19-14S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-20	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	89.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	31000	1100	ug/kg	
79-01-6	Trichloroethene	ND	31000	3300	ug/kg	
75-01-4	Vinyl chloride	ND	31000	1100	ug/kg	
1330-20-7	Xylene (total)	23700	12000	2900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	108%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	93%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID: PI-19-14S
Lab Sample ID: JA38084-20
Matrix: SO - Soil
Method: SW846 8270C SW846 3550B
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 01/20/10
Date Received: 01/20/10
Percent Solids: 89.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70929.D	2	02/03/10	LP	01/27/10	OP41981	EM2679
Run #2	M71011.D	10	02/05/10	LP	01/27/10	OP41981	EM2683
Run #3	M71012.D	40	02/05/10	LP	01/27/10	OP41981	EM2683
Run #4	M71013.D	400	02/05/10	LP	01/27/10	OP41981	EM2683

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml
Run #3	35.0 g	1.0 ml
Run #4	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	320	65	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	320	64	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	320	100	ug/kg	
105-67-9	2,4-Dimethylphenol	3360	320	110	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1300	78	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1300	78	ug/kg	
95-48-7	2-Methylphenol	3990	130	73	ug/kg	
	3&4-Methylphenol	11500 ^a	640	410	ug/kg	
88-75-5	2-Nitrophenol	ND	320	68	ug/kg	
100-02-7	4-Nitrophenol	ND	640	110	ug/kg	
87-86-5	Pentachlorophenol	ND	640	110	ug/kg	
108-95-2	Phenol	7690 ^a	640	340	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	320	74	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	320	60	ug/kg	
83-32-9	Acenaphthene	56100 ^b	1300	370	ug/kg	
208-96-8	Acenaphthylene	4900	64	20	ug/kg	
120-12-7	Anthracene	122000 ^b	1300	450	ug/kg	
56-55-3	Benzo(a)anthracene	156000 ^c	13000	4200	ug/kg	
50-32-8	Benzo(a)pyrene	108000 ^b	1300	390	ug/kg	
205-99-2	Benzo(b)fluoranthene	118000 ^b	1300	430	ug/kg	
191-24-2	Benzo(g,h,i)perylene	46900 ^b	1300	480	ug/kg	
207-08-9	Benzo(k)fluoranthene	59600 ^b	1300	480	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	130	23	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	130	37	ug/kg	
91-58-7	2-Chloronaphthalene	ND	130	20	ug/kg	
106-47-8	4-Chloroaniline	ND	320	20	ug/kg	
86-74-8	Carbazole	42700 ^b	2600	590	ug/kg	
218-01-9	Chrysene	147000 ^c	13000	4300	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-14S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-20	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	89.2
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	130	26	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	130	19	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	130	19	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	130	19	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	130	18	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	130	17	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	130	14	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	130	28	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	130	24	ug/kg	
91-94-1	3,3' -Dichlorobenzidine	ND	320	16	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	22500 ^a	320	110	ug/kg	
132-64-9	Dibenzofuran	64600 ^b	2600	380	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	130	14	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	130	31	ug/kg	
84-66-2	Diethyl phthalate	ND	130	22	ug/kg	
131-11-3	Dimethyl phthalate	ND	130	23	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	130	57	ug/kg	
206-44-0	Fluoranthene	357000 ^c	13000	5700	ug/kg	
86-73-7	Fluorene	54900 ^b	1300	420	ug/kg	
118-74-1	Hexachlorobenzene	ND	130	21	ug/kg	
87-68-3	Hexachlorobutadiene	ND	64	18	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	1300	65	ug/kg	
67-72-1	Hexachloroethane	ND	320	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	48400 ^b	1300	440	ug/kg	
78-59-1	Isophorone	ND	130	17	ug/kg	
91-57-6	2-Methylnaphthalene	44200 ^b	2600	710	ug/kg	
88-74-4	2-Nitroaniline	ND	320	28	ug/kg	
99-09-2	3-Nitroaniline	ND	320	26	ug/kg	
100-01-6	4-Nitroaniline	ND	320	25	ug/kg	
91-20-3	Naphthalene	113000 ^b	1300	350	ug/kg	
98-95-3	Nitrobenzene	ND	130	19	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	130	16	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	320	38	ug/kg	
85-01-8	Phenanthrene	470000 ^c	13000	5800	ug/kg	
129-00-0	Pyrene	337000 ^c	13000	4900	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	130	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	62%	69%	0% ^d	30-109%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PI-19-14S		
Lab Sample ID:	JA38084-20	Date Sampled:	01/20/10
Matrix:	SO - Soil	Date Received:	01/20/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	89.2
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	77%	82%	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	23% ^e	49%	0% ^d	28-125%
4165-60-0	Nitrobenzene-d5	80%	116% ^f	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	94%	113% ^f	0% ^d	38-107%
1718-51-0	Terphenyl-d14	49%	76%	0% ^d	31-116%

(a) Result is from Run# 2

(b) Result is from Run# 3

(c) Result is from Run# 4

(d) Outside control limits due to dilution.

(e) Outside control limits due to matrix interference.

(f) Outside of in house control limits due to dilution, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-19-10S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-21	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	79.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164721.D	1	01/30/10	TDN	n/a	n/a	VD6634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	10.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	7600	1700	ug/kg	
71-43-2	Benzene	ND	760	260	ug/kg	
75-27-4	Bromodichloromethane	ND	3800	200	ug/kg	
75-25-2	Bromoform	ND	3800	120	ug/kg	
74-83-9	Bromomethane	ND	3800	310	ug/kg	
78-93-3	2-Butanone (MEK)	ND	7600	1500	ug/kg	
75-15-0	Carbon disulfide	ND	3800	230	ug/kg	
56-23-5	Carbon tetrachloride	ND	3800	420	ug/kg	
108-90-7	Chlorobenzene	ND	3800	260	ug/kg	
75-00-3	Chloroethane	ND	3800	760	ug/kg	
67-66-3	Chloroform	ND	3800	240	ug/kg	
74-87-3	Chloromethane	ND	3800	130	ug/kg	
124-48-1	Dibromochloromethane	ND	3800	84	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3800	110	ug/kg	
107-06-2	1,2-Dichloroethane	ND	760	260	ug/kg	
75-35-4	1,1-Dichloroethene	ND	3800	510	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	3800	180	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	3800	340	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	3800	180	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3800	99	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3800	100	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3800	73	ug/kg	
100-41-4	Ethylbenzene	41400	760	280	ug/kg	
591-78-6	2-Hexanone	ND	3800	740	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	760	220	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3800	620	ug/kg	
75-09-2	Methylene chloride	ND	3800	170	ug/kg	
100-42-5	Styrene	ND	3800	82	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3800	220	ug/kg	
127-18-4	Tetrachloroethene	ND	3800	110	ug/kg	
108-88-3	Toluene	882	760	220	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3800	98	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.21

3

Client Sample ID:	PI-19-10S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-21	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	79.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	3800	140	ug/kg	
79-01-6	Trichloroethene	ND	3800	400	ug/kg	
75-01-4	Vinyl chloride	ND	3800	140	ug/kg	
1330-20-7	Xylene (total)	129000	1500	360	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		67-127%
17060-07-0	1,2-Dichloroethane-D4	107%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	93%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3.21

3

Client Sample ID:	PI-19-10S		
Lab Sample ID:	JA38084-21	Date Sampled:	01/20/10
Matrix:	SO - Soil	Date Received:	01/20/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	79.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70924.D	1	02/03/10	LP	01/27/10	OP41981	EM2679
Run #2	M70968.D	20	02/04/10	LP	01/27/10	OP41981	EM2681
Run #3	M70983.D	200	02/05/10	LP	01/27/10	OP41981	EM2682
Run #4	M71030.D	4000	02/06/10	LP	01/27/10	OP41981	EM2684

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2	30.6 g	1.0 ml
Run #3	30.6 g	1.0 ml
Run #4	30.6 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	210	42	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	41	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	67	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	69	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	50	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	830	50	ug/kg	
95-48-7	2-Methylphenol	ND	83	47	ug/kg	
	3&4-Methylphenol	ND	83	52	ug/kg	
88-75-5	2-Nitrophenol	ND	210	44	ug/kg	
100-02-7	4-Nitrophenol	ND	410	70	ug/kg	
87-86-5	Pentachlorophenol	ND	410	71	ug/kg	
108-95-2	Phenol	ND	83	43	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	48	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	39	ug/kg	
83-32-9	Acenaphthene	399000 ^a	8300	2400	ug/kg	
208-96-8	Acenaphthylene	13100 ^b	830	260	ug/kg	
120-12-7	Anthracene	135000 ^a	8300	2900	ug/kg	
56-55-3	Benzo(a)anthracene	15000 ^b	830	270	ug/kg	
50-32-8	Benzo(a)pyrene	7550 ^b	830	250	ug/kg	
205-99-2	Benzo(b)fluoranthene	5900 ^b	830	280	ug/kg	
191-24-2	Benzo(g,h,i)perylene	2090	41	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	6350 ^b	830	310	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	83	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	83	24	ug/kg	
91-58-7	2-Chloronaphthalene	ND	83	13	ug/kg	
106-47-8	4-Chloroaniline	ND	210	13	ug/kg	
86-74-8	Carbazole	33300 ^b	1700	380	ug/kg	
218-01-9	Chrysene	14400 ^b	830	280	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-10S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-21	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	79.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	83	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	83	12	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	83	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	83	12	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	83	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	83	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	83	9.2	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	83	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	83	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	210	10	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	767	41	14	ug/kg	
132-64-9	Dibenzofuran	425000 ^a	17000	2500	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	83	9.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	83	20	ug/kg	
84-66-2	Diethyl phthalate	ND	83	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	83	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	83	36	ug/kg	
206-44-0	Fluoranthene	101000 ^a	8300	3600	ug/kg	
86-73-7	Fluorene	301000 ^a	8300	2700	ug/kg	
118-74-1	Hexachlorobenzene	ND	83	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	41	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	830	42	ug/kg	
67-72-1	Hexachloroethane	ND	210	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	2160	41	14	ug/kg	
78-59-1	Isophorone	ND	83	11	ug/kg	
91-57-6	2-Methylnaphthalene	1400000 ^c	330000	92000	ug/kg	
88-74-4	2-Nitroaniline	ND	210	18	ug/kg	
99-09-2	3-Nitroaniline	ND	210	17	ug/kg	
100-01-6	4-Nitroaniline	ND	210	16	ug/kg	
91-20-3	Naphthalene	9010000 ^c	170000	45000	ug/kg	
98-95-3	Nitrobenzene	ND	83	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	83	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	25	ug/kg	
85-01-8	Phenanthrene	552000 ^a	8300	3800	ug/kg	
129-00-0	Pyrene	76600 ^a	8300	3200	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	83	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	119%	75%	0% ^d	30-109%

ND = Not detected MDL - Method Detection Limit

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-10S		
Lab Sample ID:	JA38084-21	Date Sampled:	01/20/10
Matrix:	SO - Soil	Date Received:	01/20/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	79.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	82%	88%	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	65%	85%	0% ^d	28-125%
4165-60-0	Nitrobenzene-d5	80%	90%	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	38%	107%	0% ^d	38-107%
1718-51-0	Terphenyl-d14	86%	112%	0% ^d	31-116%

- (a) Result is from Run# 3
 (b) Result is from Run# 2
 (c) Result is from Run# 4
 (d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-19-S5	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-22	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D41870.D	50	02/03/10	TYG	n/a	n/a	V3D1831
Run #2	3D41871.D	100	02/03/10	TYG	n/a	n/a	V3D1831
Run #3	E161246.D	500	02/03/10	OTR	n/a	n/a	VE7105

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	140	ug/l	
71-43-2	Benzene	71.7	50	12	ug/l	
75-27-4	Bromodichloromethane	ND	50	11	ug/l	
75-25-2	Bromoform	ND	200	12	ug/l	
74-83-9	Bromomethane	ND	100	15	ug/l	
78-93-3	2-Butanone (MEK)	ND	500	81	ug/l	
75-15-0	Carbon disulfide	ND	100	37	ug/l	
56-23-5	Carbon tetrachloride	ND	50	13	ug/l	
108-90-7	Chlorobenzene	ND	50	19	ug/l	
75-00-3	Chloroethane	ND	50	19	ug/l	
67-66-3	Chloroform	ND	50	12	ug/l	
74-87-3	Chloromethane	ND	50	14	ug/l	
124-48-1	Dibromochloromethane	ND	50	11	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	14	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	17	ug/l	
75-35-4	1,1-Dichloroethene	ND	50	20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	50	11	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	12	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	50	11	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	12	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	14200 ^a	100	27	ug/l	
591-78-6	2-Hexanone	ND	250	70	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	12	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	250	43	ug/l	
75-09-2	Methylene chloride	ND	100	15	ug/l	
100-42-5	Styrene	ND	250	29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	12	ug/l	
127-18-4	Tetrachloroethene	ND	50	13	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-19-S5	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-22	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	1180	50	15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	13	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	12	ug/l	
79-01-6	Trichloroethene	ND	50	12	ug/l	
75-01-4	Vinyl chloride	ND	50	22	ug/l	
1330-20-7	Xylene (total)	73300 ^b	500	130	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	101%	97%	99%	76-120%
17060-07-0	1,2-Dichloroethane-D4	101%	93%	93%	64-135%
2037-26-5	Toluene-D8	105%	102%	93%	76-117%
460-00-4	4-Bromofluorobenzene	88%	90%	93%	72-122%

(a) Result is from Run# 2

(b) Result is from Run# 3

ND = Not detected MDL - Method Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-19-S5	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-22	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P47693.D	1	02/03/10	NAP	01/22/10	OP41928	EP2034
Run #2	P47715.D	25	02/04/10	NAP	01/22/10	OP41928	EP2035

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	5.3	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	2.3	2.0	1.1	ug/l	
	3&4-Methylphenol	8.0	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	2.7	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	78.4	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	3.7	1.0	0.27	ug/l	
120-12-7	Anthracene	47.5	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	7.8	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	3.9	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	4.4	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	1.7	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	3.2	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	32.4	2.0	0.17	ug/l	
218-01-9	Chrysene	7.5	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-S5	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-22	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	1.8	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	85.5	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.7	2.0	0.33	ug/l	
206-44-0	Fluoranthene	49.8	1.0	0.17	ug/l	
86-73-7	Fluorene	60.7	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	2.7	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	447 ^a	50	16	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	1970 ^a	25	11	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	244 ^a	25	5.3	ug/l	
129-00-0	Pyrene	35.2	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%	53%	13-68%
4165-62-2	Phenol-d5	28%	30%	10-49%
118-79-6	2,4,6-Tribromophenol	76%	71%	37-130%
4165-60-0	Nitrobenzene-d5	71%	87%	25-112%
321-60-8	2-Fluorobiphenyl	68%	84%	31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-S5		
Lab Sample ID:	JA38084-22	Date Sampled:	01/20/10
Matrix:	AQ - Ground Water	Date Received:	01/20/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	67%	87%	14-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-19-11S		
Lab Sample ID:	JA38084-23	Date Sampled:	01/20/10
Matrix:	SO - Soil	Date Received:	01/20/10
Method:	SW846 8260B	Percent Solids:	76.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D164726.D	1	01/30/10	TDN	n/a	n/a	VD6634
Run #2	D164789.D	1	02/01/10	TDN	n/a	n/a	VD6637

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	20.0 ul
Run #2	10.0 g	10.0 ml	1.0 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	4100	900	ug/kg	
71-43-2	Benzene	7460	410	140	ug/kg	
75-27-4	Bromodichloromethane	ND	2000	100	ug/kg	
75-25-2	Bromoform	ND	2000	61	ug/kg	
74-83-9	Bromomethane	ND	2000	160	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4100	800	ug/kg	
75-15-0	Carbon disulfide	ND	2000	120	ug/kg	
56-23-5	Carbon tetrachloride	ND	2000	220	ug/kg	
108-90-7	Chlorobenzene	ND	2000	140	ug/kg	
75-00-3	Chloroethane	ND	2000	410	ug/kg	
67-66-3	Chloroform	ND	2000	130	ug/kg	
74-87-3	Chloromethane	ND	2000	67	ug/kg	
124-48-1	Dibromochloromethane	ND	2000	45	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2000	56	ug/kg	
107-06-2	1,2-Dichloroethane	ND	410	140	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2000	270	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2000	97	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2000	180	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	2000	97	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2000	53	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2000	54	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2000	39	ug/kg	
100-41-4	Ethylbenzene	184000 ^a	8100	3000	ug/kg	
591-78-6	2-Hexanone	ND	2000	390	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	410	110	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2000	330	ug/kg	
75-09-2	Methylene chloride	ND	2000	90	ug/kg	
100-42-5	Styrene	ND	2000	43	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2000	120	ug/kg	
127-18-4	Tetrachloroethene	ND	2000	59	ug/kg	
108-88-3	Toluene	525000 ^a	8100	2400	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2000	52	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-11S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-23	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	76.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2000	75	ug/kg	
79-01-6	Trichloroethene	ND	2000	210	ug/kg	
75-01-4	Vinyl chloride	ND	2000	72	ug/kg	
1330-20-7	Xylene (total)	961000 ^a	16000	3800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%	91%	67-127%
17060-07-0	1,2-Dichloroethane-D4	103%	108%	65-132%
2037-26-5	Toluene-D8	93%	88%	74-129%
460-00-4	4-Bromofluorobenzene	98%	91%	62-138%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: PI-19-11S
Lab Sample ID: JA38084-23
Matrix: SO - Soil
Method: SW846 8270C SW846 3550B
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 01/20/10
Date Received: 01/20/10
Percent Solids: 76.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70925.D	1	02/03/10	LP	01/27/10	OP41981	EM2679
Run #2	M70985.D	20	02/05/10	LP	01/27/10	OP41981	EM2682
Run #3	M70986.D	200	02/05/10	LP	01/27/10	OP41981	EM2682
Run #4	M70987.D	2000	02/05/10	LP	01/27/10	OP41981	EM2682

	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2	30.6 g	1.0 ml
Run #3	30.6 g	1.0 ml
Run #4	30.6 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	210	43	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	43	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	69	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	72	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	860	52	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	860	52	ug/kg	
95-48-7	2-Methylphenol	ND	86	49	ug/kg	
	3&4-Methylphenol	ND	86	54	ug/kg	
88-75-5	2-Nitrophenol	ND	210	45	ug/kg	
100-02-7	4-Nitrophenol	ND	430	72	ug/kg	
87-86-5	Pentachlorophenol	ND	430	73	ug/kg	
108-95-2	Phenol	ND	86	45	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	50	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	40	ug/kg	
83-32-9	Acenaphthene	208000 ^a	8600	2500	ug/kg	
208-96-8	Acenaphthylene	2010	43	14	ug/kg	
120-12-7	Anthracene	83200 ^b	860	300	ug/kg	
56-55-3	Benzo(a)anthracene	10100 ^b	860	280	ug/kg	
50-32-8	Benzo(a)pyrene	4100	43	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	4240	43	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1290	43	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	1680	43	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	86	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	86	25	ug/kg	
91-58-7	2-Chloronaphthalene	ND	86	13	ug/kg	
106-47-8	4-Chloroaniline	ND	210	14	ug/kg	
86-74-8	Carbazole	26000 ^b	1700	400	ug/kg	
218-01-9	Chrysene	9590 ^b	860	290	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-11S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-23	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	76.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	86	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	86	13	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	86	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	86	13	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	86	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	86	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	86	9.6	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	86	19	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	86	16	ug/kg	
91-94-1	3,3' -Dichlorobenzidine	ND	210	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	506	43	15	ug/kg	
132-64-9	Dibenzofuran	176000 ^a	17000	2500	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	86	9.5	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	86	21	ug/kg	
84-66-2	Diethyl phthalate	ND	86	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	86	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	86	38	ug/kg	
206-44-0	Fluoranthene	73200 ^b	860	380	ug/kg	
86-73-7	Fluorene	154000 ^a	8600	2800	ug/kg	
118-74-1	Hexachlorobenzene	ND	86	14	ug/kg	
87-68-3	Hexachlorobutadiene	ND	43	12	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	860	44	ug/kg	
67-72-1	Hexachloroethane	ND	210	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1250	43	15	ug/kg	
78-59-1	Isophorone	ND	86	12	ug/kg	
91-57-6	2-Methylnaphthalene	456000 ^a	17000	4800	ug/kg	
88-74-4	2-Nitroaniline	ND	210	19	ug/kg	
99-09-2	3-Nitroaniline	ND	210	17	ug/kg	
100-01-6	4-Nitroaniline	ND	210	17	ug/kg	
91-20-3	Naphthalene	2120000 ^c	86000	23000	ug/kg	
98-95-3	Nitrobenzene	ND	86	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	86	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	26	ug/kg	
85-01-8	Phenanthrene	299000 ^a	8600	3900	ug/kg	
129-00-0	Pyrene	50500 ^b	860	330	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	86	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	106%	91%	0% ^d	30-109%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-11S		
Lab Sample ID:	JA38084-23	Date Sampled:	01/20/10
Matrix:	SO - Soil	Date Received:	01/20/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	76.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	87%	75%	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	47%	85%	0% ^d	28-125%
4165-60-0	Nitrobenzene-d5	28%	76%	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	59%	125% ^d	0% ^d	38-107%
1718-51-0	Terphenyl-d14	69%	110%	0% ^d	31-116%

- (a) Result is from Run# 3
 (b) Result is from Run# 2
 (c) Result is from Run# 4
 (d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-13S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-24	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	74.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D164722.D	1	01/30/10	TDN	n/a	n/a	VD6634
Run #2	D164790.D	1	02/01/10	TDN	n/a	n/a	VD6637

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	20.0 ul
Run #2	10.0 g	10.0 ml	1.0 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	4200	940	ug/kg	
71-43-2	Benzene	ND	420	140	ug/kg	
75-27-4	Bromodichloromethane	ND	2100	110	ug/kg	
75-25-2	Bromoform	ND	2100	63	ug/kg	
74-83-9	Bromomethane	ND	2100	170	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4200	830	ug/kg	
75-15-0	Carbon disulfide	ND	2100	130	ug/kg	
56-23-5	Carbon tetrachloride	ND	2100	230	ug/kg	
108-90-7	Chlorobenzene	ND	2100	140	ug/kg	
75-00-3	Chloroethane	ND	2100	420	ug/kg	
67-66-3	Chloroform	ND	2100	130	ug/kg	
74-87-3	Chloromethane	ND	2100	69	ug/kg	
124-48-1	Dibromochloromethane	ND	2100	46	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2100	58	ug/kg	
107-06-2	1,2-Dichloroethane	ND	420	140	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2100	280	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2100	100	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2100	190	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	2100	100	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2100	55	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2100	56	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2100	40	ug/kg	
100-41-4	Ethylbenzene	63900	420	160	ug/kg	
591-78-6	2-Hexanone	ND	2100	400	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	420	120	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2100	340	ug/kg	
75-09-2	Methylene chloride	ND	2100	94	ug/kg	
100-42-5	Styrene	ND	2100	45	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2100	120	ug/kg	
127-18-4	Tetrachloroethene	ND	2100	61	ug/kg	
108-88-3	Toluene	11100	420	120	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2100	54	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-13S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-24	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	74.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2100	78	ug/kg	
79-01-6	Trichloroethene	ND	2100	220	ug/kg	
75-01-4	Vinyl chloride	ND	2100	75	ug/kg	
1330-20-7	Xylene (total)	281000 ^a	17000	3900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	92%	67-127%
17060-07-0	1,2-Dichloroethane-D4	106%	108%	65-132%
2037-26-5	Toluene-D8	92%	89%	74-129%
460-00-4	4-Bromofluorobenzene	96%	92%	62-138%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-13S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-24	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	74.6
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70926.D	1	02/03/10	LP	01/27/10	OP41981	EM2679
Run #2	M70988.D	20	02/05/10	LP	01/27/10	OP41981	EM2682
Run #3	M70989.D	200	02/05/10	LP	01/27/10	OP41981	EM2682
Run #4	M70990.D	2000	02/05/10	LP	01/27/10	OP41981	EM2682

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2	30.2 g	1.0 ml
Run #3	30.2 g	1.0 ml
Run #4	30.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	220	45	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	220	44	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	220	71	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	220	75	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	890	54	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	890	54	ug/kg	
95-48-7	2-Methylphenol	ND	89	51	ug/kg	
	3&4-Methylphenol	ND	89	56	ug/kg	
88-75-5	2-Nitrophenol	ND	220	47	ug/kg	
100-02-7	4-Nitrophenol	ND	440	75	ug/kg	
87-86-5	Pentachlorophenol	ND	440	76	ug/kg	
108-95-2	Phenol	ND	89	47	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	220	51	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	220	42	ug/kg	
83-32-9	Acenaphthene	138000 ^a	8900	2600	ug/kg	
208-96-8	Acenaphthylene	2630	44	14	ug/kg	
120-12-7	Anthracene	43100 ^b	890	310	ug/kg	
56-55-3	Benzo(a)anthracene	6750 ^b	890	290	ug/kg	
50-32-8	Benzo(a)pyrene	3040	44	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	2590	44	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1050	44	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	1850	44	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	89	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	89	26	ug/kg	
91-58-7	2-Chloronaphthalene	ND	89	14	ug/kg	
106-47-8	4-Chloroaniline	ND	220	14	ug/kg	
86-74-8	Carbazole	14400 ^b	1800	410	ug/kg	
218-01-9	Chrysene	5980 ^b	890	300	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-13S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-24	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	74.6
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	89	18	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	89	13	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	89	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	89	13	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	89	13	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	89	12	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	89	9.9	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	89	19	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	89	17	ug/kg	
91-94-1	3,3' -Dichlorobenzidine	ND	220	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	347	44	15	ug/kg	
132-64-9	Dibenzofuran	115000 ^a	18000	2600	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	89	9.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	89	22	ug/kg	
84-66-2	Diethyl phthalate	ND	89	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	89	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	228	89	39	ug/kg	
206-44-0	Fluoranthene	49900 ^b	890	390	ug/kg	
86-73-7	Fluorene	92500 ^a	8900	2900	ug/kg	
118-74-1	Hexachlorobenzene	ND	89	14	ug/kg	
87-68-3	Hexachlorobutadiene	ND	44	12	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	890	45	ug/kg	
67-72-1	Hexachloroethane	ND	220	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1020	44	15	ug/kg	
78-59-1	Isophorone	ND	89	12	ug/kg	
91-57-6	2-Methylnaphthalene	291000 ^a	18000	5000	ug/kg	
88-74-4	2-Nitroaniline	ND	220	20	ug/kg	
99-09-2	3-Nitroaniline	ND	220	18	ug/kg	
100-01-6	4-Nitroaniline	ND	220	17	ug/kg	
91-20-3	Naphthalene	2000000 ^c	89000	24000	ug/kg	
98-95-3	Nitrobenzene	ND	89	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	89	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	220	26	ug/kg	
85-01-8	Phenanthrene	196000 ^a	8900	4000	ug/kg	
129-00-0	Pyrene	33400 ^b	890	340	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	89	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	103%	89%	0% ^d	30-109%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-13S		
Lab Sample ID:	JA38084-24	Date Sampled:	01/20/10
Matrix:	SO - Soil	Date Received:	01/20/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	74.6
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	84%	64%	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	45%	65%	0% ^d	28-125%
4165-60-0	Nitrobenzene-d5	30%	80%	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	111% ^e	105%	0% ^d	38-107%
1718-51-0	Terphenyl-d14	81%	99%	0% ^d	31-116%

(a) Result is from Run# 3

(b) Result is from Run# 2

(c) Result is from Run# 4

(d) Outside control limits due to dilution.

(e) Outside of in house control limits, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-12S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-25	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	67.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D164716.D	1	01/30/10	TDN	n/a	n/a	VD6634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	990	220	ug/kg	
71-43-2	Benzene	11100	99	34	ug/kg	
75-27-4	Bromodichloromethane	ND	500	25	ug/kg	
75-25-2	Bromoform	ND	500	15	ug/kg	
74-83-9	Bromomethane	ND	500	40	ug/kg	
78-93-3	2-Butanone (MEK)	ND	990	200	ug/kg	
75-15-0	Carbon disulfide	ND	500	30	ug/kg	
56-23-5	Carbon tetrachloride	ND	500	55	ug/kg	
108-90-7	Chlorobenzene	ND	500	34	ug/kg	
75-00-3	Chloroethane	ND	500	99	ug/kg	
67-66-3	Chloroform	ND	500	31	ug/kg	
74-87-3	Chloromethane	ND	500	16	ug/kg	
124-48-1	Dibromochloromethane	ND	500	11	ug/kg	
75-34-3	1,1-Dichloroethane	ND	500	14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	99	34	ug/kg	
75-35-4	1,1-Dichloroethene	ND	500	66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	500	24	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	500	44	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	500	24	ug/kg	
78-87-5	1,2-Dichloropropane	ND	500	13	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	500	13	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	500	9.5	ug/kg	
100-41-4	Ethylbenzene	1730	99	37	ug/kg	
591-78-6	2-Hexanone	ND	500	95	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	99	28	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	500	80	ug/kg	
75-09-2	Methylene chloride	ND	500	22	ug/kg	
100-42-5	Styrene	ND	500	11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	500	29	ug/kg	
127-18-4	Tetrachloroethene	ND	500	14	ug/kg	
108-88-3	Toluene	2160	99	29	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	500	13	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-19-12S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-25	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	67.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	500	18	ug/kg	
79-01-6	Trichloroethene	ND	500	52	ug/kg	
75-01-4	Vinyl chloride	ND	500	18	ug/kg	
1330-20-7	Xylene (total)	7430	200	46	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-127%
17060-07-0	1,2-Dichloroethane-D4	107%		65-132%
2037-26-5	Toluene-D8	88%		74-129%
460-00-4	4-Bromofluorobenzene	92%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-12S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-25	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	67.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70978.D	1	02/04/10	LP	01/27/10	OP41981	EM2682
Run #2	M71029.D	5	02/06/10	LP	01/27/10	OP41981	EM2684

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2	35.3 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	210	43	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	42	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	68	ug/kg	
105-67-9	2,4-Dimethylphenol	5410 ^a	1100	350	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	840	52	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	840	52	ug/kg	
95-48-7	2-Methylphenol	ND	84	48	ug/kg	
	3&4-Methylphenol	146	84	54	ug/kg	
88-75-5	2-Nitrophenol	ND	210	45	ug/kg	
100-02-7	4-Nitrophenol	ND	420	71	ug/kg	
87-86-5	Pentachlorophenol	ND	420	72	ug/kg	
108-95-2	Phenol	72.2	84	44	ug/kg	J
95-95-4	2,4,5-Trichlorophenol	ND	210	49	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	40	ug/kg	
83-32-9	Acenaphthene	32.4	42	12	ug/kg	J
208-96-8	Acenaphthylene	ND	42	14	ug/kg	
120-12-7	Anthracene	19.6	42	15	ug/kg	J
56-55-3	Benzo(a)anthracene	ND	42	14	ug/kg	
50-32-8	Benzo(a)pyrene	ND	42	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	42	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	42	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	42	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	84	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	84	24	ug/kg	
91-58-7	2-Chloronaphthalene	ND	84	13	ug/kg	
106-47-8	4-Chloroaniline	ND	210	14	ug/kg	
86-74-8	Carbazole	24.8	84	20	ug/kg	J
218-01-9	Chrysene	ND	42	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	84	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	84	13	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	84	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	84	13	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-12S	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-25	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	67.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	84	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	84	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	84	9.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	84	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	84	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	210	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	42	14	ug/kg	
132-64-9	Dibenzofuran	35.8	84	13	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	84	9.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	84	21	ug/kg	
84-66-2	Diethyl phthalate	ND	84	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	84	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	84	37	ug/kg	
206-44-0	Fluoranthene	31.6	42	19	ug/kg	J
86-73-7	Fluorene	27.8	42	14	ug/kg	J
118-74-1	Hexachlorobenzene	ND	84	14	ug/kg	
87-68-3	Hexachlorobutadiene	ND	42	12	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	840	43	ug/kg	
67-72-1	Hexachloroethane	ND	210	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	42	15	ug/kg	
78-59-1	Isophorone	ND	84	11	ug/kg	
91-57-6	2-Methylnaphthalene	113	84	24	ug/kg	
88-74-4	2-Nitroaniline	ND	210	19	ug/kg	
99-09-2	3-Nitroaniline	ND	210	17	ug/kg	
100-01-6	4-Nitroaniline	ND	210	16	ug/kg	
91-20-3	Naphthalene	5000 ^a	210	58	ug/kg	
98-95-3	Nitrobenzene	ND	84	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	84	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	25	ug/kg	
85-01-8	Phenanthrene	76.7	42	19	ug/kg	
129-00-0	Pyrene	28.1	42	16	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	84	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%	68%	30-109%
4165-62-2	Phenol-d5	68%	69%	28-108%
118-79-6	2,4,6-Tribromophenol	76%	63%	28-125%
4165-60-0	Nitrobenzene-d5	94%	97%	28-113%
321-60-8	2-Fluorobiphenyl	97%	104%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-12S		
Lab Sample ID:	JA38084-25	Date Sampled:	01/19/10
Matrix:	SO - Soil	Date Received:	01/20/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	67.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	96%	94%	31-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-S2	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-26	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	U127601.D	25	02/02/10	JTP	n/a	n/a	VU5091
Run #2	3D41835A.D	100	02/02/10	TYG	n/a	n/a	V3D1829

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	72	ug/l	
71-43-2	Benzene	3200	25	5.9	ug/l	
75-27-4	Bromodichloromethane	ND	25	5.5	ug/l	
75-25-2	Bromoform	ND	100	5.8	ug/l	
74-83-9	Bromomethane	ND	50	7.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	250	41	ug/l	
75-15-0	Carbon disulfide	ND	50	18	ug/l	
56-23-5	Carbon tetrachloride	ND	25	6.4	ug/l	
108-90-7	Chlorobenzene	ND	25	9.7	ug/l	
75-00-3	Chloroethane	ND	25	9.3	ug/l	
67-66-3	Chloroform	ND	25	5.9	ug/l	
74-87-3	Chloromethane	ND	25	7.2	ug/l	
124-48-1	Dibromochloromethane	ND	25	5.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	25	7.2	ug/l	
107-06-2	1,2-Dichloroethane	ND	25	8.3	ug/l	
75-35-4	1,1-Dichloroethene	ND	25	9.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	25	5.4	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	25	6.2	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	25	5.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	25	6.8	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	6.2	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	5.3	ug/l	
100-41-4	Ethylbenzene	1770	25	6.7	ug/l	
591-78-6	2-Hexanone	ND	130	35	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	25	5.8	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	130	21	ug/l	
75-09-2	Methylene chloride	ND	50	7.6	ug/l	
100-42-5	Styrene	ND	130	14	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	6.0	ug/l	
127-18-4	Tetrachloroethene	ND	25	6.6	ug/l	
108-88-3	Toluene	5900 ^a	100	30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	25	6.4	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID:	PI-19-S2	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-26	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	25	5.8	ug/l	
79-01-6	Trichloroethene	ND	25	6.0	ug/l	
75-01-4	Vinyl chloride	ND	25	11	ug/l	
1330-20-7	Xylene (total)	6110	25	6.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	98%	76-120%
17060-07-0	1,2-Dichloroethane-D4	96%	100%	64-135%
2037-26-5	Toluene-D8	99%	101%	76-117%
460-00-4	4-Bromofluorobenzene	93%	97%	72-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID: PI-19-S2**Lab Sample ID:** JA38084-26**Date Sampled:** 01/19/10**Matrix:** AQ - Ground Water**Date Received:** 01/20/10**Method:** SW846 8270C SW846 3510C**Percent Solids:** n/a**Project:** Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P47698.D	1	02/04/10	NAP	01/22/10	OP41928	EP2034
Run #2	P47723.D	10	02/04/10	NAP	01/22/10	OP41928	EP2035
Run #3	P47728.D	1000	02/05/10	NAP	01/22/10	OP41928	EP2036

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	2020 ^a	5000	1700	ug/l	J
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	137 ^b	20	11	ug/l	
	3&4-Methylphenol	175 ^b	20	10	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	47.1	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	7980 ^a	1000	370	ug/l	
208-96-8	Acenaphthylene	343 ^b	10	2.7	ug/l	
120-12-7	Anthracene	3370 ^a	1000	160	ug/l	
56-55-3	Benzo(a)anthracene	974 ^b	10	1.2	ug/l	
50-32-8	Benzo(a)pyrene	644 ^b	10	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	533 ^b	10	2.5	ug/l	
191-24-2	Benzo(g,h,i)perylene	297 ^b	10	1.2	ug/l	
207-08-9	Benzo(k)fluoranthene	286 ^b	10	3.8	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	767 ^b	20	1.7	ug/l	
218-01-9	Chrysene	965 ^b	10	1.1	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-S2	Date Sampled:	01/19/10
Lab Sample ID:	JA38084-26	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	95.0 ^b	10	1.5	ug/l	
132-64-9	Dibenzofuran	7360 ^a	5000	300	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	4790 ^a	1000	170	ug/l	
86-73-7	Fluorene	6810 ^a	1000	270	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	242 ^b	10	1.3	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	19300 ^a	2000	660	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	71700 ^a	1000	430	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	16300 ^a	1000	210	ug/l	
129-00-0	Pyrene	3430 ^a	1000	160	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	80% ^d	161% ^c	0% ^c	13-68%
4165-62-2	Phenol-d5	25%	27%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	120%	64%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-S2			Date Sampled:	01/19/10
Lab Sample ID:	JA38084-26			Date Received:	01/20/10
Matrix:	AQ - Ground Water			Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C				
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY				

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	29%	6% ^c	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	48%	76%	0% ^c	31-106%
1718-51-0	Terphenyl-d14	56%	83%	0% ^c	14-122%

(a) Result is from Run# 3

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

(d) Outside of in house control limits, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-7S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-27	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164723.D	1	01/30/10	TDN	n/a	n/a	VD6634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	700	160	ug/kg	
71-43-2	Benzene	ND	70	24	ug/kg	
75-27-4	Bromodichloromethane	ND	350	18	ug/kg	
75-25-2	Bromoform	ND	350	11	ug/kg	
74-83-9	Bromomethane	ND	350	28	ug/kg	
78-93-3	2-Butanone (MEK)	ND	700	140	ug/kg	
75-15-0	Carbon disulfide	ND	350	21	ug/kg	
56-23-5	Carbon tetrachloride	ND	350	39	ug/kg	
108-90-7	Chlorobenzene	ND	350	24	ug/kg	
75-00-3	Chloroethane	ND	350	70	ug/kg	
67-66-3	Chloroform	ND	350	22	ug/kg	
74-87-3	Chloromethane	ND	350	12	ug/kg	
124-48-1	Dibromochloromethane	ND	350	7.7	ug/kg	
75-34-3	1,1-Dichloroethane	ND	350	9.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	70	24	ug/kg	
75-35-4	1,1-Dichloroethene	ND	350	46	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	350	17	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	350	32	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	350	17	ug/kg	
78-87-5	1,2-Dichloropropane	ND	350	9.1	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	350	9.3	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	350	6.7	ug/kg	
100-41-4	Ethylbenzene	1710	70	26	ug/kg	
591-78-6	2-Hexanone	ND	350	68	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	70	20	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	350	57	ug/kg	
75-09-2	Methylene chloride	ND	350	16	ug/kg	
100-42-5	Styrene	ND	350	7.5	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	350	21	ug/kg	
127-18-4	Tetrachloroethene	ND	350	10	ug/kg	
108-88-3	Toluene	141	70	20	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	350	9.0	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-19-7S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-27	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	83.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	350	13	ug/kg	
79-01-6	Trichloroethene	ND	350	37	ug/kg	
75-01-4	Vinyl chloride	ND	350	12	ug/kg	
1330-20-7	Xylene (total)	4180	140	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		67-127%
17060-07-0	1,2-Dichloroethane-D4	104%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	93%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PI-19-7S
Lab Sample ID: JA38084-27
Matrix: SO - Soil
Method: SW846 8270C SW846 3550B
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 01/20/10

Date Received: 01/20/10

Percent Solids: 83.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70927.D	1	02/03/10	LP	01/27/10	OP41981	EM2679
Run #2	M71024.D	20	02/06/10	LP	01/27/10	OP41981	EM2684
Run #3	M71048.D	200	02/06/10	LP	01/27/10	OP41981	EM2684

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml
Run #3	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	55	ug/kg	
105-67-9	2,4-Dimethylphenol	275	170	57	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	680	42	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	680	42	ug/kg	
95-48-7	2-Methylphenol	170	68	39	ug/kg	
	3&4-Methylphenol	465	68	43	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	58	ug/kg	
87-86-5	Pentachlorophenol	ND	340	58	ug/kg	
108-95-2	Phenol	197	68	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	58800 ^a	680	200	ug/kg	
208-96-8	Acenaphthylene	629	34	11	ug/kg	
120-12-7	Anthracene	25800 ^a	680	240	ug/kg	
56-55-3	Benzo(a)anthracene	17300 ^a	680	220	ug/kg	
50-32-8	Benzo(a)pyrene	12800 ^a	680	210	ug/kg	
205-99-2	Benzo(b)fluoranthene	11800 ^a	680	230	ug/kg	
191-24-2	Benzo(g,h,i)perylene	6410 ^a	680	250	ug/kg	
207-08-9	Benzo(k)fluoranthene	8060 ^a	680	260	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	68	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	68	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	68	11	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	3110	68	16	ug/kg	
218-01-9	Chrysene	17200 ^a	680	230	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	68	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	68	10	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-7S		
Lab Sample ID:	JA38084-27	Date Sampled:	01/20/10
Matrix:	SO - Soil	Date Received:	01/20/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	83.2
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	68	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	68	10	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	68	9.8	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	68	9.2	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	68	7.6	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	68	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	68	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.7	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1870	34	12	ug/kg	
132-64-9	Dibenzofuran	46800 ^a	1400	200	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	68	7.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	68	17	ug/kg	
84-66-2	Diethyl phthalate	ND	68	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	68	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	68	30	ug/kg	
206-44-0	Fluoranthene	51700 ^a	680	300	ug/kg	
86-73-7	Fluorene	40500 ^a	680	220	ug/kg	
118-74-1	Hexachlorobenzene	ND	68	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.5	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	680	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.5	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	6070 ^a	680	240	ug/kg	
78-59-1	Isophorone	ND	68	9.2	ug/kg	
91-57-6	2-Methylnaphthalene	24200 ^a	1400	380	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	87100 ^b	6800	1900	ug/kg	
98-95-3	Nitrobenzene	ND	68	9.9	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	68	8.3	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	85700 ^b	6800	3100	ug/kg	
129-00-0	Pyrene	46400 ^a	680	260	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	68	9.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	51%	39%	0% ^c	30-109%
4165-62-2	Phenol-d5	70%	59%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	60%	91%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-7S		
Lab Sample ID:	JA38084-27	Date Sampled:	01/20/10
Matrix:	SO - Soil	Date Received:	01/20/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	83.2
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	63%	94%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	88%	119% ^d	0% ^c	38-107%
1718-51-0	Terphenyl-d14	76%	114%	0% ^c	31-116%

(a) Result is from Run# 2

(b) Result is from Run# 3

(c) Outside control limits due to dilution.

(d) Outside of in house control limits due to dilution, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-19-8S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-28	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	76.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D164725.D	1	01/30/10	TDN	n/a	n/a	VD6634
Run #2	D164791.D	1	02/01/10	TDN	n/a	n/a	VD6637

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2	10.0 g	10.0 ml	5.0 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	810	180	ug/kg	
71-43-2	Benzene	379	81	28	ug/kg	
75-27-4	Bromodichloromethane	ND	410	21	ug/kg	
75-25-2	Bromoform	ND	410	12	ug/kg	
74-83-9	Bromomethane	ND	410	33	ug/kg	
78-93-3	2-Butanone (MEK)	ND	810	160	ug/kg	
75-15-0	Carbon disulfide	ND	410	25	ug/kg	
56-23-5	Carbon tetrachloride	ND	410	45	ug/kg	
108-90-7	Chlorobenzene	ND	410	28	ug/kg	
75-00-3	Chloroethane	ND	410	81	ug/kg	
67-66-3	Chloroform	ND	410	26	ug/kg	
74-87-3	Chloromethane	ND	410	13	ug/kg	
124-48-1	Dibromochloromethane	ND	410	9.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	410	11	ug/kg	
107-06-2	1,2-Dichloroethane	ND	81	28	ug/kg	
75-35-4	1,1-Dichloroethene	ND	410	54	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	410	19	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	410	37	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	410	19	ug/kg	
78-87-5	1,2-Dichloropropane	ND	410	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	410	11	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	410	7.8	ug/kg	
100-41-4	Ethylbenzene	37500 ^a	1600	600	ug/kg	
591-78-6	2-Hexanone	ND	410	78	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	81	23	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	410	66	ug/kg	
75-09-2	Methylene chloride	ND	410	18	ug/kg	
100-42-5	Styrene	ND	410	8.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	410	24	ug/kg	
127-18-4	Tetrachloroethene	ND	410	12	ug/kg	
108-88-3	Toluene	5580	81	24	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	410	10	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-8S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-28	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	76.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	410	15	ug/kg	
79-01-6	Trichloroethene	ND	410	43	ug/kg	
75-01-4	Vinyl chloride	ND	410	14	ug/kg	
1330-20-7	Xylene (total)	167000 ^a	3300	760	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%	91%	67-127%
17060-07-0	1,2-Dichloroethane-D4	104%	106%	65-132%
2037-26-5	Toluene-D8	93%	88%	74-129%
460-00-4	4-Bromofluorobenzene	103%	90%	62-138%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3.28

3

Client Sample ID: PI-19-8S**Lab Sample ID:** JA38084-28**Date Sampled:** 01/20/10**Matrix:** SO - Soil**Date Received:** 01/20/10**Method:** SW846 8270C SW846 3550B**Percent Solids:** 76.1**Project:** Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F86460.D	1	02/02/10	NAP	01/27/10	OP41985	EF4081
Run #2	F86481.D	50	02/03/10	NAP	01/27/10	OP41985	EF4082
Run #3	F86484.D	500	02/03/10	NAP	01/27/10	OP41985	EF4082

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml
Run #3	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	38	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	60	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	63	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	750	46	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	750	46	ug/kg	
95-48-7	2-Methylphenol	227	75	43	ug/kg	
	3&4-Methylphenol	404	75	48	ug/kg	
88-75-5	2-Nitrophenol	ND	190	40	ug/kg	
100-02-7	4-Nitrophenol	ND	380	63	ug/kg	
87-86-5	Pentachlorophenol	ND	380	64	ug/kg	
108-95-2	Phenol	740	75	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	44	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	35	ug/kg	
83-32-9	Acenaphthene	94900 ^a	1900	540	ug/kg	
208-96-8	Acenaphthylene	622	38	12	ug/kg	
120-12-7	Anthracene	35900 ^a	1900	660	ug/kg	
56-55-3	Benzo(a)anthracene	4690 ^a	1900	610	ug/kg	
50-32-8	Benzo(a)pyrene	1820	38	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	1780	38	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	751	38	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	1340	38	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	75	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	75	22	ug/kg	
91-58-7	2-Chloronaphthalene	ND	75	12	ug/kg	
106-47-8	4-Chloroaniline	ND	190	12	ug/kg	
86-74-8	Carbazole	12700 ^a	3800	870	ug/kg	
218-01-9	Chrysene	4600 ^a	1900	630	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	75	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	75	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-8S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-28	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	76.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	75	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	75	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	75	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	75	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	75	8.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	75	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	75	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	9.5	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	272	38	13	ug/kg	
132-64-9	Dibenzofuran	84600 ^a	3800	560	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	75	8.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	75	18	ug/kg	
84-66-2	Diethyl phthalate	ND	75	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	75	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	75	33	ug/kg	
206-44-0	Fluoranthene	32200 ^a	1900	830	ug/kg	
86-73-7	Fluorene	73700 ^a	1900	620	ug/kg	
118-74-1	Hexachlorobenzene	ND	75	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	750	38	ug/kg	
67-72-1	Hexachloroethane	ND	190	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	755	38	13	ug/kg	
78-59-1	Isophorone	ND	75	10	ug/kg	
91-57-6	2-Methylnaphthalene	194000 ^b	38000	10000	ug/kg	
88-74-4	2-Nitroaniline	ND	190	17	ug/kg	
99-09-2	3-Nitroaniline	ND	190	15	ug/kg	
100-01-6	4-Nitroaniline	ND	190	15	ug/kg	
91-20-3	Naphthalene	718000 ^b	19000	5100	ug/kg	
98-95-3	Nitrobenzene	ND	75	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	75	9.2	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	22	ug/kg	
85-01-8	Phenanthrene	132000 ^a	1900	850	ug/kg	
129-00-0	Pyrene	20600 ^a	1900	720	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	75	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	54%	0% ^c	0% ^c	30-109%
4165-62-2	Phenol-d5	48%	0% ^c	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	42%	0% ^c	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-8S			Date Sampled:	01/20/10
Lab Sample ID:	JA38084-28			Date Received:	01/20/10
Matrix:	SO - Soil			Percent Solids:	76.1
Method:	SW846 8270C SW846 3550B				
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY				

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	81%	58%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	53%	66%	0% ^c	38-107%
1718-51-0	Terphenyl-d14	57%	77%	0% ^c	31-116%

- (a) Result is from Run# 2
 (b) Result is from Run# 3
 (c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-S6	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-29	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D41837.D	100	02/02/10	TYG	n/a	n/a	V3D1829
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1000	290	ug/l	
71-43-2	Benzene	1280	100	23	ug/l	
75-27-4	Bromodichloromethane	ND	100	22	ug/l	
75-25-2	Bromoform	ND	400	23	ug/l	
74-83-9	Bromomethane	ND	200	30	ug/l	
78-93-3	2-Butanone (MEK)	ND	1000	160	ug/l	
75-15-0	Carbon disulfide	ND	200	74	ug/l	
56-23-5	Carbon tetrachloride	ND	100	26	ug/l	
108-90-7	Chlorobenzene	ND	100	39	ug/l	
75-00-3	Chloroethane	ND	100	37	ug/l	
67-66-3	Chloroform	ND	100	23	ug/l	
74-87-3	Chloromethane	ND	100	29	ug/l	
124-48-1	Dibromochloromethane	ND	100	22	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	29	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	33	ug/l	
75-35-4	1,1-Dichloroethene	ND	100	40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	100	22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	100	25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	100	22	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	1680	100	27	ug/l	
591-78-6	2-Hexanone	ND	500	140	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	100	23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	500	86	ug/l	
75-09-2	Methylene chloride	ND	200	30	ug/l	
100-42-5	Styrene	ND	500	58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	24	ug/l	
127-18-4	Tetrachloroethene	ND	100	27	ug/l	
108-88-3	Toluene	14700	100	30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-S6	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-29	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	100	23	ug/l	
79-01-6	Trichloroethene	ND	100	24	ug/l	
75-01-4	Vinyl chloride	ND	100	44	ug/l	
1330-20-7	Xylene (total)	7700	100	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-120%
17060-07-0	1,2-Dichloroethane-D4	99%		64-135%
2037-26-5	Toluene-D8	103%		76-117%
460-00-4	4-Bromofluorobenzene	98%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-S6	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-29	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P47694.D	1	02/04/10	NAP	01/22/10	OP41928	EP2034
Run #2	P47716.D	10	02/04/10	NAP	01/22/10	OP41928	EP2035
Run #3	P47717.D	200	02/04/10	NAP	01/22/10	OP41928	EP2035

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	213 ^a	50	17	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	29.4	2.0	1.1	ug/l	
	3&4-Methylphenol	58.2	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	13.3	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	193 ^a	10	3.7	ug/l	
208-96-8	Acenaphthylene	5.4	1.0	0.27	ug/l	
120-12-7	Anthracene	20.6	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	1.8	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	1.1	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	2.5	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.52	1.0	0.12	ug/l	J
207-08-9	Benzo(k)fluoranthene	0.58	1.0	0.38	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	144 ^a	20	1.7	ug/l	
218-01-9	Chrysene	1.7	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-S6	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-29	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	1.5	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	146 ^a	50	3.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.6	2.0	0.33	ug/l	
206-44-0	Fluoranthene	12.0	1.0	0.17	ug/l	
86-73-7	Fluorene	87.6	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	718 ^a	20	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	10600 ^b	200	85	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	89.8	1.0	0.21	ug/l	
129-00-0	Pyrene	8.2	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	24%	91% ^c	0% ^c	13-68%
4165-62-2	Phenol-d5	29%	37%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	81%	100%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-S6		
Lab Sample ID:	JA38084-29	Date Sampled:	01/20/10
Matrix:	AQ - Ground Water	Date Received:	01/20/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	104%	91%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	73%	84%	0% ^c	31-106%
1718-51-0	Terphenyl-d14	69%	86%	0% ^c	14-122%

- (a) Result is from Run# 2
 (b) Result is from Run# 3
 (c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-S3	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-30	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D41838.D	100	02/02/10	TYG	n/a	n/a	V3D1829
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1000	290	ug/l	
71-43-2	Benzene	1330	100	23	ug/l	
75-27-4	Bromodichloromethane	ND	100	22	ug/l	
75-25-2	Bromoform	ND	400	23	ug/l	
74-83-9	Bromomethane	ND	200	30	ug/l	
78-93-3	2-Butanone (MEK)	ND	1000	160	ug/l	
75-15-0	Carbon disulfide	ND	200	74	ug/l	
56-23-5	Carbon tetrachloride	ND	100	26	ug/l	
108-90-7	Chlorobenzene	ND	100	39	ug/l	
75-00-3	Chloroethane	ND	100	37	ug/l	
67-66-3	Chloroform	ND	100	23	ug/l	
74-87-3	Chloromethane	ND	100	29	ug/l	
124-48-1	Dibromochloromethane	ND	100	22	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	29	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	33	ug/l	
75-35-4	1,1-Dichloroethene	ND	100	40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	100	22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	100	25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	100	22	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	1560	100	27	ug/l	
591-78-6	2-Hexanone	ND	500	140	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	100	23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	500	86	ug/l	
75-09-2	Methylene chloride	ND	200	30	ug/l	
100-42-5	Styrene	ND	500	58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	24	ug/l	
127-18-4	Tetrachloroethene	ND	100	27	ug/l	
108-88-3	Toluene	14400	100	30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-19-S3	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-30	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	100	23	ug/l	
79-01-6	Trichloroethene	ND	100	24	ug/l	
75-01-4	Vinyl chloride	ND	100	44	ug/l	
1330-20-7	Xylene (total)	7540	100	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-120%
17060-07-0	1,2-Dichloroethane-D4	101%		64-135%
2037-26-5	Toluene-D8	103%		76-117%
460-00-4	4-Bromofluorobenzene	99%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-19-S3	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-30	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P47695.D	1	02/04/10	NAP	01/22/10	OP41928	EP2034
Run #2	P47718.D	10	02/04/10	NAP	01/22/10	OP41928	EP2035
Run #3	P47719.D	200	02/04/10	NAP	01/22/10	OP41928	EP2035

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	91.3 ^a	50	17	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	34.0	2.0	1.1	ug/l	
	3&4-Methylphenol	66.4	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	13.1	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	180 ^a	10	3.7	ug/l	
208-96-8	Acenaphthylene	4.9	1.0	0.27	ug/l	
120-12-7	Anthracene	21.7	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	0.93	1.0	0.12	ug/l	J
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	148 ^a	20	1.7	ug/l	
218-01-9	Chrysene	0.86	1.0	0.11	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-S3	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-30	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	132 ^a	50	3.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.2	2.0	0.33	ug/l	
206-44-0	Fluoranthene	8.0	1.0	0.17	ug/l	
86-73-7	Fluorene	89.3	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	655 ^a	20	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	10300 ^b	200	85	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	81.7	1.0	0.21	ug/l	
129-00-0	Pyrene	5.3	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	24%	84% ^c	0% ^c	13-68%
4165-62-2	Phenol-d5	30%	33%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	83%	87%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PI-19-S3	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-30	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	104%	85%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	72%	74%	0% ^c	31-106%
1718-51-0	Terphenyl-d14	68%	75%	0% ^c	14-122%

- (a) Result is from Run# 2
(b) Result is from Run# 3
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-19-S8	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-31	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D41839.D	50	02/02/10	TYG	n/a	n/a	V3D1829
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	140	ug/l	
71-43-2	Benzene	4050	50	12	ug/l	
75-27-4	Bromodichloromethane	ND	50	11	ug/l	
75-25-2	Bromoform	ND	200	12	ug/l	
74-83-9	Bromomethane	ND	100	15	ug/l	
78-93-3	2-Butanone (MEK)	ND	500	81	ug/l	
75-15-0	Carbon disulfide	ND	100	37	ug/l	
56-23-5	Carbon tetrachloride	ND	50	13	ug/l	
108-90-7	Chlorobenzene	ND	50	19	ug/l	
75-00-3	Chloroethane	ND	50	19	ug/l	
67-66-3	Chloroform	ND	50	12	ug/l	
74-87-3	Chloromethane	ND	50	14	ug/l	
124-48-1	Dibromochloromethane	ND	50	11	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	14	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	17	ug/l	
75-35-4	1,1-Dichloroethene	ND	50	20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	50	11	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	12	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	50	11	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	12	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	1420	50	13	ug/l	
591-78-6	2-Hexanone	ND	250	70	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	12	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	250	43	ug/l	
75-09-2	Methylene chloride	ND	100	15	ug/l	
100-42-5	Styrene	ND	250	29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	12	ug/l	
127-18-4	Tetrachloroethene	ND	50	13	ug/l	
108-88-3	Toluene	5720	50	15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	13	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-19-S8	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-31	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	50	12	ug/l	
79-01-6	Trichloroethene	ND	50	12	ug/l	
75-01-4	Vinyl chloride	ND	50	22	ug/l	
1330-20-7	Xylene (total)	4620	50	13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-120%
17060-07-0	1,2-Dichloroethane-D4	102%		64-135%
2037-26-5	Toluene-D8	102%		76-117%
460-00-4	4-Bromofluorobenzene	99%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-S8	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-31	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P47699.D	1	02/04/10	NAP	01/22/10	OP41928	EP2034
Run #2	P47729.D	10	02/05/10	NAP	01/22/10	OP41928	EP2036
Run #3	P47741.D	200	02/05/10	NAP	01/22/10	OP41928	EP2036

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	1950 ^a	1000	330	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	159 ^b	20	11	ug/l	
	3&4-Methylphenol	203 ^b	20	10	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	25.9	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	168 ^b	10	3.7	ug/l	
208-96-8	Acenaphthylene	7.8	1.0	0.27	ug/l	
120-12-7	Anthracene	34.1	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	2.5	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	1.5	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	2.7	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.76	1.0	0.12	ug/l	J
207-08-9	Benzo(k)fluoranthene	1.1	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	95.7	2.0	0.17	ug/l	
218-01-9	Chrysene	2.7	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-S8	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-31	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	121 ^b	50	3.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.2	2.0	0.33	ug/l	
206-44-0	Fluoranthene	23.5	1.0	0.17	ug/l	
86-73-7	Fluorene	86.9	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	1.9	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	568 ^b	20	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	9070 ^a	200	85	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	111 ^b	10	2.1	ug/l	
129-00-0	Pyrene	15.8	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	94% ^c	99% ^c	0% ^d	13-68%
4165-62-2	Phenol-d5	24%	24%	0% ^d	10-49%
118-79-6	2,4,6-Tribromophenol	70%	0% ^d	0% ^d	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PI-19-S8		
Lab Sample ID:	JA38084-31	Date Sampled:	01/20/10
Matrix:	AQ - Ground Water	Date Received:	01/20/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	74%	74%	0% ^d	25-112%
321-60-8	2-Fluorobiphenyl	57%	63%	0% ^d	31-106%
1718-51-0	Terphenyl-d14	54%	56%	0% ^d	14-122%

(a) Result is from Run# 3

(b) Result is from Run# 2

(c) Outside of in house control limits, but within reasonable method recovery limits.

(d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-11-2S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-32	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G126859.D	1	01/22/10	SJM	n/a	n/a	VG6023
Run #2							

	Initial Weight
Run #1	4.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	40.7	14	3.2	ug/kg	
71-43-2	Benzene	1.4	1.4	0.48	ug/kg	
75-27-4	Bromodichloromethane	ND	7.1	0.36	ug/kg	
75-25-2	Bromoform	ND	7.1	0.21	ug/kg	
74-83-9	Bromomethane	ND	7.1	0.57	ug/kg	
78-93-3	2-Butanone (MEK)	ND	14	2.8	ug/kg	
75-15-0	Carbon disulfide	3.2	7.1	0.43	ug/kg	J
56-23-5	Carbon tetrachloride	ND	7.1	0.79	ug/kg	
108-90-7	Chlorobenzene	ND	7.1	0.48	ug/kg	
75-00-3	Chloroethane	ND	7.1	1.4	ug/kg	
67-66-3	Chloroform	ND	7.1	0.45	ug/kg	
74-87-3	Chloromethane	ND	7.1	0.23	ug/kg	
124-48-1	Dibromochloromethane	ND	7.1	0.16	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.1	0.20	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.49	ug/kg	
75-35-4	1,1-Dichloroethene	ND	7.1	0.94	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	7.1	0.34	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	7.1	0.64	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	7.1	0.34	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.1	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.1	0.19	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.1	0.14	ug/kg	
100-41-4	Ethylbenzene	21.1	1.4	0.53	ug/kg	
591-78-6	2-Hexanone	ND	7.1	1.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.4	0.40	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.1	1.1	ug/kg	
75-09-2	Methylene chloride	ND	7.1	0.32	ug/kg	
100-42-5	Styrene	ND	7.1	0.15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.1	0.41	ug/kg	
127-18-4	Tetrachloroethene	ND	7.1	0.21	ug/kg	
108-88-3	Toluene	4.2	1.4	0.41	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.1	0.18	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-11-2S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-32	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	7.1	0.26	ug/kg	
79-01-6	Trichloroethene	ND	7.1	0.74	ug/kg	
75-01-4	Vinyl chloride	ND	7.1	0.25	ug/kg	
1330-20-7	Xylene (total)	45.6	2.8	0.66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		67-127%
17060-07-0	1,2-Dichloroethane-D4	101%		65-132%
2037-26-5	Toluene-D8	106%		74-129%
460-00-4	4-Bromofluorobenzene	108%		62-138%

ND = Not detected MDL - Method Detection Limit
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 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-11-2S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-32	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F86461.D	1	02/02/10	NAP	01/27/10	OP41985	EF4081
Run #2	F86482.D	50	02/03/10	NAP	01/27/10	OP41985	EF4082
Run #3	F86485.D	500	02/03/10	NAP	01/27/10	OP41985	EF4082

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2	35.3 g	1.0 ml
Run #3	35.3 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	34	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	54	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	57	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	670	41	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	670	41	ug/kg	
95-48-7	2-Methylphenol	103	67	38	ug/kg	
	3&4-Methylphenol	394	67	43	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	57	ug/kg	
87-86-5	Pentachlorophenol	ND	340	58	ug/kg	
108-95-2	Phenol	ND	67	35	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	39	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	217000 ^a	17000	4900	ug/kg	
208-96-8	Acenaphthylene	4650 ^b	1700	540	ug/kg	
120-12-7	Anthracene	80400 ^b	1700	590	ug/kg	
56-55-3	Benzo(a)anthracene	68100 ^b	1700	550	ug/kg	
50-32-8	Benzo(a)pyrene	46600 ^b	1700	510	ug/kg	
205-99-2	Benzo(b)fluoranthene	43100 ^b	1700	560	ug/kg	
191-24-2	Benzo(g,h,i)perylene	22100 ^b	1700	630	ug/kg	
207-08-9	Benzo(k)fluoranthene	30300 ^b	1700	630	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	10	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	7740 ^b	3400	780	ug/kg	
218-01-9	Chrysene	79500 ^b	1700	570	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	10	ug/kg	

ND = Not detected MDL - Method Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-2S	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-32	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	67	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	10	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	67	9.7	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	67	9.0	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	67	7.5	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	67	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	67	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.6	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	8030 ^b	1700	570	ug/kg	
132-64-9	Dibenzofuran	115000 ^b	3400	500	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	7.5	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	16	ug/kg	
84-66-2	Diethyl phthalate	ND	67	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	30	ug/kg	
206-44-0	Fluoranthene	311000 ^a	17000	7400	ug/kg	
86-73-7	Fluorene	153000 ^b	1700	550	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.4	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	670	34	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.4	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	19500 ^b	1700	580	ug/kg	
78-59-1	Isophorone	ND	67	9.1	ug/kg	
91-57-6	2-Methylnaphthalene	4070 ^b	3400	940	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	13	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	16600 ^b	1700	460	ug/kg	
98-95-3	Nitrobenzene	ND	67	9.7	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	8.2	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	437000 ^a	17000	7700	ug/kg	
129-00-0	Pyrene	206000 ^a	17000	6500	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	67	9.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	59%	0% ^c	0% ^c	30-109%
4165-62-2	Phenol-d5	57%	0% ^c	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	50%	0% ^c	0% ^c	28-125%

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Report of Analysis

Page 3 of 3

Client Sample ID:	PI-11-2S		
Lab Sample ID:	JA38084-32	Date Sampled:	01/20/10
Matrix:	SO - Soil	Date Received:	01/20/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	84.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	66%	52%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	74%	74%	0% ^c	38-107%
1718-51-0	Terphenyl-d14	79%	114%	0% ^c	31-116%

- (a) Result is from Run# 3
 (b) Result is from Run# 2
 (c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
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Report of Analysis

Page 1 of 2

Client Sample ID:	PI-19-S7	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-33	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3A74251.D	100	02/03/10	KPP	n/a	n/a	V3A3190
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1000	290	ug/l	
71-43-2	Benzene	3680	100	23	ug/l	
75-27-4	Bromodichloromethane	ND	100	22	ug/l	
75-25-2	Bromoform	ND	400	23	ug/l	
74-83-9	Bromomethane	ND	200	30	ug/l	
78-93-3	2-Butanone (MEK)	ND	1000	160	ug/l	
75-15-0	Carbon disulfide	ND	200	74	ug/l	
56-23-5	Carbon tetrachloride	ND	100	26	ug/l	
108-90-7	Chlorobenzene	ND	100	39	ug/l	
75-00-3	Chloroethane	ND	100	37	ug/l	
67-66-3	Chloroform	ND	100	23	ug/l	
74-87-3	Chloromethane	ND	100	29	ug/l	
124-48-1	Dibromochloromethane	ND	100	22	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	29	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	33	ug/l	
75-35-4	1,1-Dichloroethene	ND	100	40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	100	22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	100	25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	100	22	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	2160	100	27	ug/l	
591-78-6	2-Hexanone	ND	500	140	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	100	23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	500	86	ug/l	
75-09-2	Methylene chloride	ND	200	30	ug/l	
100-42-5	Styrene	ND	500	58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	24	ug/l	
127-18-4	Tetrachloroethene	ND	100	27	ug/l	
108-88-3	Toluene	15300	100	30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	26	ug/l	

ND = Not detected MDL - Method Detection Limit

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-19-S7	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-33	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	100	23	ug/l	
79-01-6	Trichloroethene	ND	100	24	ug/l	
75-01-4	Vinyl chloride	ND	100	44	ug/l	
1330-20-7	Xylene (total)	9680	100	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		76-120%
17060-07-0	1,2-Dichloroethane-D4	91%		64-135%
2037-26-5	Toluene-D8	97%		76-117%
460-00-4	4-Bromofluorobenzene	95%		72-122%

ND = Not detected MDL - Method Detection Limit
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Report of Analysis

Page 1 of 3

Client Sample ID:	PI-19-S7	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-33	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3E24332.D	10	02/04/10	OYA	01/22/10	OP41928	E3E1098
Run #2	3E24331.D	200	02/04/10	OYA	01/22/10	OP41928	E3E1098

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	50	11	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	50	11	ug/l	
120-83-2	2,4-Dichlorophenol	ND	50	12	ug/l	
105-67-9	2,4-Dimethylphenol	306	50	17	ug/l	
51-28-5	2,4-Dinitrophenol	ND	200	7.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	200	5.1	ug/l	
95-48-7	2-Methylphenol	ND	20	11	ug/l	
	3&4-Methylphenol	ND	20	10	ug/l	
88-75-5	2-Nitrophenol	ND	50	12	ug/l	
100-02-7	4-Nitrophenol	ND	100	8.3	ug/l	
87-86-5	Pentachlorophenol	ND	100	8.0	ug/l	
108-95-2	Phenol	ND	20	5.8	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	50	13	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	50	12	ug/l	
83-32-9	Acenaphthene	199	10	3.7	ug/l	
208-96-8	Acenaphthylene	4.6	10	2.7	ug/l	J
120-12-7	Anthracene	26.4	10	1.6	ug/l	
56-55-3	Benzo(a)anthracene	ND	10	1.2	ug/l	
50-32-8	Benzo(a)pyrene	ND	10	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	10	2.5	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	10	1.2	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	10	3.8	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	20	3.5	ug/l	
85-68-7	Butyl benzyl phthalate	ND	20	2.5	ug/l	
91-58-7	2-Chloronaphthalene	ND	50	4.2	ug/l	
106-47-8	4-Chloroaniline	ND	50	2.5	ug/l	
86-74-8	Carbazole	126	20	1.7	ug/l	
218-01-9	Chrysene	ND	10	1.1	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	20	2.5	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	20	3.1	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	20	3.9	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	20	3.5	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-S7	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-33	Date Received:	01/20/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	20	4.2	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	20	3.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	20	3.9	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	20	2.2	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	20	3.3	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	50	3.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	10	1.5	ug/l	
132-64-9	Dibenzofuran	157	50	3.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	20	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	20	4.0	ug/l	
84-66-2	Diethyl phthalate	ND	20	1.7	ug/l	
131-11-3	Dimethyl phthalate	ND	20	2.3	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	20	3.3	ug/l	
206-44-0	Fluoranthene	11.8	10	1.7	ug/l	
86-73-7	Fluorene	101	10	2.7	ug/l	
118-74-1	Hexachlorobenzene	ND	20	3.7	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	3.7	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	200	6.7	ug/l	
67-72-1	Hexachloroethane	ND	50	2.6	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	10	1.3	ug/l	
78-59-1	Isophorone	ND	20	2.5	ug/l	
91-57-6	2-Methylnaphthalene	876	20	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	50	2.4	ug/l	
99-09-2	3-Nitroaniline	ND	50	2.9	ug/l	
100-01-6	4-Nitroaniline	ND	50	1.8	ug/l	
91-20-3	Naphthalene	9150 ^b	200	85	ug/l	
98-95-3	Nitrobenzene	ND	20	2.5	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	20	4.4	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	50	2.2	ug/l	
85-01-8	Phenanthrene	93.1	10	2.1	ug/l	
129-00-0	Pyrene	8.0	10	1.6	ug/l	J
120-82-1	1,2,4-Trichlorobenzene	ND	20	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	92% ^c	0% ^c	13-68%
4165-62-2	Phenol-d5	20%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	71%	0% ^c	37-130%
4165-60-0	Nitrobenzene-d5	62%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	56%	0% ^c	31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-19-S7		
Lab Sample ID:	JA38084-33	Date Sampled:	01/20/10
Matrix:	AQ - Ground Water	Date Received:	01/20/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	68%	0% ^c	14-122%

- (a) Dilution required due to sample high viscous matrix.
- (b) Result is from Run# 2
- (c) Outside control limits due to dilution.

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-11-3	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-34	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	82.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D164731.D	1	01/30/10	TDN	n/a	n/a	VD6634
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	710	160	ug/kg	
71-43-2	Benzene	ND	71	24	ug/kg	
75-27-4	Bromodichloromethane	ND	350	18	ug/kg	
75-25-2	Bromoform	ND	350	11	ug/kg	
74-83-9	Bromomethane	ND	350	29	ug/kg	
78-93-3	2-Butanone (MEK)	ND	710	140	ug/kg	
75-15-0	Carbon disulfide	ND	350	22	ug/kg	
56-23-5	Carbon tetrachloride	ND	350	39	ug/kg	
108-90-7	Chlorobenzene	ND	350	24	ug/kg	
75-00-3	Chloroethane	ND	350	71	ug/kg	
67-66-3	Chloroform	ND	350	22	ug/kg	
74-87-3	Chloromethane	ND	350	12	ug/kg	
124-48-1	Dibromochloromethane	ND	350	7.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	350	9.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	71	24	ug/kg	
75-35-4	1,1-Dichloroethene	ND	350	47	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	350	17	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	350	32	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	350	17	ug/kg	
78-87-5	1,2-Dichloropropane	ND	350	9.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	350	9.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	350	6.8	ug/kg	
100-41-4	Ethylbenzene	10100	71	26	ug/kg	
591-78-6	2-Hexanone	ND	350	68	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	71	20	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	350	57	ug/kg	
75-09-2	Methylene chloride	ND	350	16	ug/kg	
100-42-5	Styrene	ND	350	7.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	350	21	ug/kg	
127-18-4	Tetrachloroethene	ND	350	10	ug/kg	
108-88-3	Toluene	147	71	21	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	350	9.0	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

3.34

3

Client Sample ID:	PI-11-3	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-34	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	82.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	350	13	ug/kg	
79-01-6	Trichloroethene	ND	350	37	ug/kg	
75-01-4	Vinyl chloride	ND	350	13	ug/kg	
1330-20-7	Xylene (total)	16400	140	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		67-127%
17060-07-0	1,2-Dichloroethane-D4	102%		65-132%
2037-26-5	Toluene-D8	93%		74-129%
460-00-4	4-Bromofluorobenzene	101%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-11-3	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-34	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	82.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F86462.D	1	02/02/10	NAP	01/27/10	OP41985	EF4081
Run #2	F86483.D	20	02/03/10	NAP	01/27/10	OP41985	EF4082

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	55	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	690	42	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	690	42	ug/kg	
95-48-7	2-Methylphenol	ND	69	39	ug/kg	
	3&4-Methylphenol	ND	69	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	37	ug/kg	
100-02-7	4-Nitrophenol	ND	340	58	ug/kg	
87-86-5	Pentachlorophenol	ND	340	59	ug/kg	
108-95-2	Phenol	ND	69	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	12200 ^a	690	200	ug/kg	
208-96-8	Acenaphthylene	649	34	11	ug/kg	
120-12-7	Anthracene	7130 ^a	690	240	ug/kg	
56-55-3	Benzo(a)anthracene	2640	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	1650	34	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	1480	34	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1350	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	1080	34	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	11	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	2540	69	16	ug/kg	
218-01-9	Chrysene	2480	34	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	69	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	10	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-3	Date Sampled:	01/20/10
Lab Sample ID:	JA38084-34	Date Received:	01/20/10
Matrix:	SO - Soil	Percent Solids:	82.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	69	9.9	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	69	9.2	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	69	7.7	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	69	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	69	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	290	34	12	ug/kg	
132-64-9	Dibenzofuran	10200 ^a	1400	200	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	7.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	17	ug/kg	
84-66-2	Diethyl phthalate	ND	69	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	12	ug/kg	
206-44-0	Fluoranthene	12900 ^a	690	300	ug/kg	
86-73-7	Fluorene	10200 ^a	690	230	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.6	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.6	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	908	34	12	ug/kg	
78-59-1	Isophorone	ND	69	9.3	ug/kg	
91-57-6	2-Methylnaphthalene	13100 ^a	1400	380	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	52100 ^a	690	190	ug/kg	
98-95-3	Nitrobenzene	ND	69	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	8.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	21	ug/kg	
85-01-8	Phenanthrene	31700 ^a	690	310	ug/kg	
129-00-0	Pyrene	8560 ^a	690	260	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	69	9.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%	50%	30-109%
4165-62-2	Phenol-d5	56%	47%	28-108%
118-79-6	2,4,6-Tribromophenol	60%	40%	28-125%
4165-60-0	Nitrobenzene-d5	72%	69%	28-113%
321-60-8	2-Fluorobiphenyl	74%	76%	38-107%
1718-51-0	Terphenyl-d14	70%	80%	31-116%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-3		
Lab Sample ID:	JA38084-34	Date Sampled:	01/20/10
Matrix:	SO - Soil	Date Received:	01/20/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	82.9
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

[illegible]

JA38084: Chain of Custody

Page 1 of 7



PAGE 2 OF 3

FED-EX Tracking #		Bottle Order Control #	
Account Quote #		Account Job #	
		JA38034	
Requested Analysis (see TEST CODE sheet)			Matrix Codes
			DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED-Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Waste FB-Field Blank EB-Equipment Blank RB- Rinse Blank TB-Trip Blank
			LAB USE ONLY
80710 8070 DRP/GRD X X X			
Comments / Special Instructions			
• CONTAINS TRACE PRODUCT 1.20-10 mg			
Date Time: 1-20-10 17:42 Date Time: Received By: Received By:			
Preserved where applicable On Ice Cooler Temp.			

4.1

Page 2 of 7

2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accufest.com

Client / Reporting Information			Project Information			Requested Analysis (see TEST CODE sheet)												Matrix Codes																
Company Name PLS			Project Name PANEL B - Pu- Injection															DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED-Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB-Field Blank EB-Equipment Blank RB- Rinse Blank TB-Trip Blank																
Street Address			Street																															
City State Zip			City State																															
Project Contact E-mail			Project # 10011-017-4																															
Phone # Fax #			Client Purchase Order #																															
Sampler(s) Name(s)			Phone #			Project Manager			Attention:																									
Accutest Sample #			Field ID / Point of Collection			MECH/DI/Vol #			Collection			Number of preserved Bottles																						
									Date	Time	Sampled by	Matrix	# of bottles	HCl	NHCL	HNO3	H2SO4	NONE	Dl Water	MECH	ENDURE													
25			PI-19-12S						1/20/10	1515		SO	4						X							X	X	X						
26			PI-19-S2						1/19/10	1631		GW	8	X					X															
27			PI-19-7S						1/20/10	0900		SO	4																					
28			PI-19-8S							1000		SO	1																					
29			PI-19-S6							~~1045~~ 1045		GW	8	X																				
30			PI-19-S3							~~1045~~ 1045			1																					
31			PI-19-S8							1145			1																					
32			PI-11-2S							1330		SO	4																					
33			PI-19-S7							1345		GW	8	X																				
34			PI-11-3							1400		SO	4	X																				
Turnaround Time (Business days)			Approved By (Accutest PM) / Date:			Data Deliverable Information			Comments / Special Instructions																									
☐ Std. 15 Business Days ☐ Std. 10 Business Days (by Contract only) ☐ 10 Day RUSH ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY			☐ Commercial "A" (Level 1) ☐ Commercial "B" (Level 2) ☐ FULLT+ (Level 3+4) ☐ NJ Reduced ☐ Commercial "C"			☐ NYASP Category A ☐ NYASP Category B ☐ State Forms ☐ EDD Format ☐ Other																												
Emergency & Rush T/A data available VIA Lablink			Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data																															
Sample Custody must be documented below each time samples change possession, including courier delivery.																																		
Relinquished by Sampler: 1 [Signature]			Date Time: 1/20/10			Received By: 1 [Signature]			Relinquished By: 2 [Signature]			Date Time: 1/20/10 17:40			Received By: 2 [Signature]																			
Relinquished by Sampler: 3			Date Time:			Received By: 3			Relinquished By: 4			Date Time:			Received By: 4																			
Relinquished by: 5			Date Time:			Received By: 5			Custody Seal #			☐ Intact ☐ Not intact			Preserved where applicable ☐																			
												On Ice ☐			Cooler Temp. 																			

JA38084: Chain of Custody

Page 3 of 7



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA38084

Client:

Immediate Client Services Action Required: No

Date / Time Received: 1/20/2010

Delivery Method:

Client Service Action Required at Login: No

Project:

No. Coolers: 5

Airbill #'s:

Cooler Security

Y or N

Y or N

1. Custody Seals Present:	☒	☐	3. COC Present:	☒	☐
2. Custody Seals Intact:	☒	☐	4. Smpl Dates/Time OK	☒	☐

Cooler Temperature

Y or N

1. Temp criteria achieved:	☒	☐
2. Cooler temp verification:	Infrared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservation

Y or N

N/A

1. Trip Blank present / cooler:	☒	☐	☒
2. Trip Blank listed on COC:	☒	☐	☒
3. Samples preserved properly:	☒	☐	
4. VOCs headspace free:	☐	☐	☒

Sample Integrity - Documentation

Y or N

1. Sample labels present on bottles:	☒	☐
2. Container labeling complete:	☒	☐
3. Sample container label / COC agree:	☒	☐

Sample Integrity - Condition

Y or N

1. Sample recvd within HT:	☒	☐
2. All containers accounted for:	☒	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions

Y or N N/A

1. Analysis requested is clear:	☒	☐	
2. Bottles received for unspecified tests	☐	☒	
3. Sufficient volume recvd for analysis:	☒	☐	
4. Compositing instructions clear:	☐	☐	☒
5. Filtering instructions clear:	☐	☐	☒

Comments

Accutest Laboratories
V: 732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JA38084: Chain of Custody

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Sample Log-In Summary

JA38084
COC

Lab Name: Accutest 115 Page of

Received by (Print Name): Timothy Hudson Log-in Date: 1-20-10

Received by (Signature): [Signature]

		CORRESPONDING			REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
		NYSDEC SAMPLE #	SAMPLE TAG #	ASSIGNED LAB #	
Case Number:	N/A	N/A		JA 38084	-1
G Number:		N/A			-2
S Number:	N/A	N/A			-3
MARKS:		N/A			-4
Custody Seal(s)	Present/Absent* <u>N/A</u>	N/A			-5
	Intact/Broken	N/A			-6
Custody Seal		N/A			-7
Numbers:		N/A			-8
Chain-of-Custody	Present/Absent* <u>N/A</u>	N/A			-9
Records		N/A			-10
Contract Lab	Present/Absent* <u>N/A</u>	N/A			-11
Sample Inform.		N/A			-12
Sheet (CLSIS)		N/A			-13
Airbill	Airbill/Sticker	N/A			-14
	Present/Absent* <u>N/A</u>	N/A			-15
Airbill No.:		N/A			-16
Sample Tags	Present/Absent* <u>N/A</u>	N/A			-17
Sample Tag Nos.	Listed/Not Listed on <u>N/A</u>	N/A			-18
	Chain-of-Custody	N/A			-19
Sample Condition	Intact/Broken* <u>N/A</u>	N/A			-20
	Leaking	N/A			-21
Notes Information		N/A			-22
Custody rec.,		N/A			-23
SIS, & sample		N/A			-24
Is agree	<u>Yes/No*</u>	N/A			-25
Date received	<u>1-20-10 17:40</u>	N/A			-26
Lab:		N/A			-27
Time Received:		N/A			-28
Volatile VOC vials					-29
Lead space?	Yes/No* <u>N/A</u>				-30
Are preserved voc					-31
samples fully im-					-32
in preservative?	<u>Yes/No*</u> N/A	N/A			-33
					-34
Sample Transfer					
n: <u>See Internal</u>					
<u>Chain of Custody</u>					

JA38084: Chain of Custody

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Get BTSR and attach record of resolution

By:

Logbook No.: N/A

Logbook Page No.: N/A

Job Change Order: JA38084_1/21/2010

Requested Date:	1/21/2010	Received Date:	1/20/2010
Account Name:	Fleming-Lee Shue, Inc.	Due Date:	2/3/2010
Project Description:	Queens West, Parcel 8, 47th Road, Long Island City,	Deliverable:	NYASPB
CSR:	TM	TAT (Days):	14

Sample #: JA38084-all
Change: please cancel all B8015DRO and V8015GRO

Above Changes

Steve Panter

Date: 1/21/2010

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

JA38084: Chain of Custody
Page 6 of 7

Job Change Order: JA38084_1/22/2010

Requested Date:	1/22/2010	Received Date:	1/20/2010
Account Name:	Fleming-Lee Shue, Inc.	Due Date:	2/3/2010
Project Description:	Queens West, Parcel 8, 47th Road, Long Island City,	Deliverable:	NYASPB
CSR:	TM	TAT (Days):	14

Sample #: JA38084-2 **Change:** please relog for B8015DRO & V8015GRO

PI-27-S4

Sample #: JA38084-7 **Change:** please relog for B8015DRO & V8015GRO

PI-27-S5

Sample #: JA38084-10 **Change:** please relog for B8015DRO & V8015GRO

PI-27-S8

Above Changes

Steve Panter

Date: 1/22/2010

JA38084: Chain of Custody

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 7 of 7

Page 1 of 1



07/02/10

Technical Report for

Fleming-Lee Shue, Inc.

Queens West, Parcel 8, 47th Road, Long Island City, NY

10011-017-4

Accutest Job Number: JA37789

Sampling Dates: 01/13/10 - 01/15/10

Report to:

Fleming-Lee Shue, Inc.

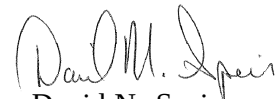
steve@flemingleeshue.com

ATTN: Steve Panter

Total number of pages in report: **133**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


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Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Fleming-Lee Shue, Inc.

Job No: JA37789

Queens West, Parcel 8, 47th Road, Long Island City, NY
Project No: 10011-017-4

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JA37789-1	01/13/10	09:20 KB	01/15/10	SO	Soil	PI-24-6D
JA37789-2	01/13/10	10:15 KB	01/15/10	SO	Soil	PI-24-8D
JA37789-3	01/13/10	11:30 KB	01/15/10	SO	Soil	PI-24-7D
JA37789-4	01/13/10	11:00 KB	01/15/10	AQ	Ground Water	PI-24-S3
JA37789-5	01/13/10	12:15 KB	01/15/10	AQ	Ground Water	PI-24-S4
JA37789-6	01/13/10	15:45 KB	01/15/10	AQ	Ground Water	PI-24-S5
JA37789-7	01/14/10	09:05 KB	01/15/10	SO	Soil	PI-27-1S
JA37789-8	01/14/10	09:45 KB	01/15/10	SO	Soil	PI-27-2S
JA37789-9	01/14/10	10:45 KB	01/15/10	AQ	Ground Water	PI-24-S6
JA37789-10	01/14/10	11:00 KB	01/15/10	SO	Soil	PI-27-3S
JA37789-11	01/14/10	12:25 KB	01/15/10	AQ	Ground Water	PI-24-S7
JA37789-12	01/14/10	13:20 KB	01/15/10	SO	Soil	PI-27-4S
JA37789-13	01/14/10	13:40 KB	01/15/10	AQ	Ground Water	PI-24-S8

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary

(continued)

Fleming-Lee Shue, Inc.

Job No: JA37789

Queens West, Parcel 8, 47th Road, Long Island City, NY

Project No: 10011-017-4

Sample Number	Collected			Matrix			Client Sample ID
	Date	Time	By	Received	Code	Type	
JA37789-14	01/14/10	13:55	KB	01/15/10	SO	Soil	PI-27-5S
JA37789-15	01/14/10	15:00	KB	01/15/10	SO	Soil	PI-27-6S
JA37789-16	01/15/10	09:53	KB	01/15/10	SO	Soil	PI-27-7S
JA37789-17	01/14/10	00:00	KB	01/15/10	AQ	Ground Water	PI-27-S1
JA37789-18	01/15/10	10:44	KB	01/15/10	SO	Soil	PI-27-8S
JA37789-19	01/15/10	10:30	KB	01/15/10	AQ	Ground Water	PI-27-S2
JA37789-20	01/15/10	11:02	KB	01/15/10	SO	Soil	PI-27-1D
JA37789-21	01/15/10	11:44	KB	01/15/10	AQ	Ground Water	PI-27-S3
JA37789-22	01/15/10	11:52	KB	01/15/10	SO	Soil	PI-27-2D
JA37789-23	01/15/10	14:22	KB	01/15/10	SO	Soil	PI-27-3D

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Fleming-Lee Shue, Inc.

Job No JA37789

Site: Queens West, Parcel 8, 47th Road, Long Island City, NY

Report Date 2/8/2010 9:03:39 AM

On 01/15/2010, 23 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 4.6 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA37789 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: V1C3195

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA37789-5MS, JA37789-5MSD were used as the QC samples indicated.
- JA37789-9: Diluted due to high concentration of non-target compound.

Matrix: AQ

Batch ID: V1C3196

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA37789-17MS, JA37789-17MSD were used as the QC samples indicated.

Matrix: SO

Batch ID: VD6624

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA37947-1MS, JA37947-1MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Bromodichloromethane are outside control limits.
- JA37789-3: Diluted due to high concentration of non-target compound.
- JA37789-2: Diluted due to high concentration of non-target compound.
- JA37789-1: Diluted due to high concentration of non-target compound.
- VD6624-BS for Bromodichloromethane: High percent recoveries and no associated positive found in the QC batch.

Matrix: SO

Batch ID: VD6626

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA37789-15MS, JA37789-15MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Bromodichloromethane, Dibromochloromethane are outside control limits.
- JA37789-14: Diluted due to high concentration of non-target compound.
- JA37789-12: Diluted due to high concentration of non-target compound.
- JA37789-16: Diluted due to high concentration of non-target compound.
- JA37789-18: Diluted due to high concentration of non-target compound.
- JA37789-20: Diluted due to high concentration of non-target compound.
- JA37789-22: Diluted due to high concentration of non-target compound.
- JA37789-7: Diluted due to high concentration of non-target compound.

Volatiles by GCMS By Method SW846 8260B**Matrix:** SO**Batch ID:** VD6626

- JA37789-8: Diluted due to high concentration of non-target compound.
- JA37789-10: Diluted due to high concentration of non-target compound.
- VD6626-BS for Bromodichloromethane: High percent recoveries and no associated positive found in the QC batch.
- VD6626-BS for Dibromochloromethane: High percent recoveries and no associated positive found in the QC batch.

Matrix: SO**Batch ID:** VD6630

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA37845-18MS, JA37845-18MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Bromodichloromethane are outside control limits.
- JA37789-23: Diluted due to high concentration of non-target compound.
- VD6630-BS for Bromodichloromethane: High percent recoveries and no associated positive found in the QC batch.

Matrix: SO**Batch ID:** VV4138

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA38151-2MS, JA38151-2MSD were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ

Batch ID: OP41879

- All samples were extracted within the recommended method holding time.
- Sample(s) JA37596-1MS, JA37596-1MSD were used as the QC samples indicated.
- Sample(s) JA37789-11, JA37789-13, JA37789-17, JA37789-19, JA37789-4, JA37789-5, JA37789-6, JA37789-9 have compound(s) reported with a “B” qualifier, indicating analyte is found in the associated method blank.
- Sample(s) JA37789-20, JA37789-6, JA37789-1, JA37789-10, JA37789-11, JA37789-12, JA37789-13, JA37789-16, JA37789-17, JA37789-19, JA37789-2, JA37789-20, JA37789-21, JA37789-22, JA37789-3, JA37789-5, JA37789-7, JA37789-8, JA37789-9, OP41879-MS, OP41879-MSD have surrogates outside control limits. Confirmation run for surrogate recoveries.
- OP41879-MSD for Phenol-d5: Outside of in house control limits, but within reasonable method recovery limits.
- JA37789-6 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-9 for Nitrobenzene-d5: Outside control limits due to matrix interference with corresponding I.S.
- JA37789-13 for 2-Fluorophenol: Outside of in house control limits, but within reasonable method recovery limits.
- JA37789-5 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37789-5 for Phenol-d5: Outside control limits due to dilution.
- JA37789-5 for Terphenyl-d14: Outside control limits due to dilution.
- OP41879-MS for Phenol-d5: Outside of in house control limits, but within reasonable method recovery limits.
- JA37789-6 for Nitrobenzene-d5: Outside control limits due to matrix interference with corresponding I.S.
- JA37789-6 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37789-17 for Nitrobenzene-d5: Outside control limits due to matrix interference with corresponding I.S.
- JA37789-13 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37789-6 for Terphenyl-d14: Outside control limits due to dilution.
- JA37789-9 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-9 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37789-9 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-9 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37789-9 for Phenol-d5: Outside control limits due to dilution.
- JA37789-9 for Terphenyl-d14: Outside control limits due to dilution.
- JA37789-11 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-6 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37789-21 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37789-13 for 2-Fluorophenol: Outside of in house control limits, but within reasonable method recovery limits.
- JA37789-21 for 2-Fluorophenol: Outside of in house control limits, but within reasonable method recovery limits.
- JA37789-21 for Nitrobenzene-d5: Outside control limits due to matrix interference with corresponding I.S.
- JA37789-6 for Phenol-d5: Outside control limits due to dilution.
- JA37789-5 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-11 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37789-5 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37789-13 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-5 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-13 for Terphenyl-d14: Outside control limits due to dilution.
- JA37789-21 for Phenol-d5: Outside control limits due to dilution.
- JA37789-13 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-21 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-21 for 2-Fluorobiphenyl: Outside control limits due to dilution.

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Extractables by GCMS By Method SW846 8270C

Matrix: AQ

Batch ID: OP41879

- JA37789-21 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-21 for 2-Fluorophenol: Outside of in house control limits, but within reasonable method recovery limits.
- JA37789-19 for 2-Fluorobiphenyl: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- JA37789-6 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-17 for 2-Fluorophenol: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- JA37789-13 for Phenol-d5: Outside control limits due to dilution.
- JA37789-13 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37789-21 for Terphenyl-d14: Outside control limits due to dilution.
- JA37789-21 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37789-11 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-6 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-21 for Terphenyl-d14: Outside control limits due to dilution.
- JA37789-21 for Phenol-d5: Outside control limits due to dilution.
- JA37789-21 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-21 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-19 for Terphenyl-d14: Outside control limits due to dilution.
- JA37789-19 for Phenol-d5: Outside control limits due to dilution.
- JA37789-19 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37789-19 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-19 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-17 for Terphenyl-d14: Outside control limits due to dilution.
- JA37789-17 for Phenol-d5: Outside control limits due to dilution.
- JA37789-17 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37789-17 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-11 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37789-17 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37789-11 for Phenol-d5: Outside control limits due to dilution.
- JA37789-17 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-11 for Terphenyl-d14: Outside control limits due to dilution.
- JA37789-19 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37789-21 for Nitrobenzene-d5: Outside control limits due to dilution.

Matrix: SO

Batch ID: OP41960

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA37738-1MS, JA37738-1MSD were used as the QC samples indicated.
- RPD(s) for MSD for 2,4-Dinitrophenol, 2-Chlorophenol are outside control limits for sample OP41960-MSD. Probable cause due to matrix interference.
- Sample(s) JA37789-20, JA37789-6, JA37789-1, JA37789-10, JA37789-11, JA37789-12, JA37789-13, JA37789-16, JA37789-17, JA37789-19, JA37789-2, JA37789-20, JA37789-21, JA37789-22, JA37789-3, JA37789-5, JA37789-7, JA37789-8, JA37789-9, OP41879-MS, OP41879-MSD have surrogates outside control limits. Confirmation run for surrogate recoveries.
- JA37789-8: Elevated detection limit due to high final volume of viscous extract.
- JA37789-2: Diluted due to high concentration of target compound and matrix interference.
- JA37789-3: Elevated detection limit due to high final volume of viscous extract.

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Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP41960

- JA37789-1: Elevated detection limit due to high final volume of viscous extract.
- JA37789-12: Elevated detection limit due to high final volume of viscous extract.
- JA37789-15: Elevated detection limit due to high final volume of viscous extract.
- JA37789-16: Elevated detection limit due to high final volume of viscous extract.
- JA37789-16 for Phenol-d5: Outside control limits due to matrix interference. Confirmed by re-extraction.
- JA37789-1 for 2-Fluorobiphenyl: Outside of in house control limits, but within reasonable method recovery limits.
- JA37789-8 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-8 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37789-8 for Terphenyl-d14: Outside control limits due to dilution.
- JA37789-2 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37789-10 for Phenol-d5: Outside control limits due to dilution.
- JA37789-20 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37789-20 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-10 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-10 for Terphenyl-d14: Outside control limits due to dilution.
- JA37789-16 for Phenol-d5: Outside control limits due to dilution.
- JA37789-20 for Phenol-d5: Outside control limits due to dilution.
- JA37789-20 for Terphenyl-d14: Outside control limits due to dilution.
- JA37789-22 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-22 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37789-22 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-22 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37789-20 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37789-7 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-16 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-20 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-7 for Terphenyl-d14: Outside control limits due to dilution.
- JA37789-3 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37789-7 for Phenol-d5: Outside control limits due to dilution.
- JA37789-10 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37789-20 for 2-Fluorobiphenyl: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- JA37789-22 for Phenol-d5: Outside control limits due to dilution.
- JA37789-7 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37789-10 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-10 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37789-7 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-22 for Terphenyl-d14: Outside control limits due to dilution.
- JA37789-16 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-7 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37789-1 for Phenol-d5: Outside control limits due to dilution.
- JA37789-3 for Nitrobenzene-d5: Outside control limits due to dilution.

Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP41960

- JA37789-2 for Terphenyl-d14: Outside control limits due to dilution.
- JA37789-2 for Phenol-d5: Outside control limits due to dilution.
- JA37789-2 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37789-2 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-2 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37789-3 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-1 for Terphenyl-d14: Outside control limits due to dilution.
- JA37789-3 for Phenol-d5: Outside control limits due to dilution.
- JA37789-1 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37789-1 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-1 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37789-1 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-7 for Nitrobenzene-d5: Outside control limits due to matrix interference.
- OP41960-MSD for 2-Chlorophenol: Outside control limits due to matrix interference.
- OP41960-MSD for 2,4-Dinitrophenol: Outside control limits due to matrix interference.
- JA37789-2 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-8 for Terphenyl-d14: Outside control limits due to dilution.
- JA37789-12 for Phenol-d5: Outside control limits due to dilution.
- JA37789-12 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37789-12 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-12 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37789-3 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-12 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-12 for Terphenyl-d14: Outside control limits due to dilution.
- JA37789-8 for Phenol-d5: Outside control limits due to dilution.
- JA37789-8 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA37789-8 for 2-Fluorophenol: Outside control limits due to dilution.
- JA37789-8 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA37789-8 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA37789-3 for Terphenyl-d14: Outside control limits due to dilution.

Matrix: SO

Batch ID: OP42050

- The data for SW846 8270C meets quality control requirements.
- The following samples were extracted outside of holding time for method SW846 8270C: JA37789-16
- Sample(s) JA37789-20, JA37789-6, JA37789-1, JA37789-10, JA37789-11, JA37789-12, JA37789-13, JA37789-16, JA37789-17, JA37789-19, JA37789-2, JA37789-20, JA37789-21, JA37789-22, JA37789-3, JA37789-5, JA37789-7, JA37789-8, JA37789-9, OP41879-MS, OP41879-MSD have surrogates outside control limits. Confirmation run for surrogate recoveries.
- JA37789-16: Confirmation run for surrogate recoveries.

Wet Chemistry By Method SM18 2540G

Matrix: SO

Batch ID: GN34189

- The data for SM18 2540G meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover



Sample Results

Report of Analysis

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-24-6D	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-1	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	84.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164490.D	1	01/24/10	TDN	n/a	n/a	VD6624
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.0 g	10.0 ml	10.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	6300	1400	ug/kg	
71-43-2	Benzene	3360	630	220	ug/kg	
75-27-4	Bromodichloromethane	ND	3200	160	ug/kg	
75-25-2	Bromoform	ND	3200	95	ug/kg	
74-83-9	Bromomethane	ND	3200	260	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6300	1200	ug/kg	
75-15-0	Carbon disulfide	ND	3200	190	ug/kg	
56-23-5	Carbon tetrachloride	ND	3200	350	ug/kg	
108-90-7	Chlorobenzene	ND	3200	210	ug/kg	
75-00-3	Chloroethane	ND	3200	630	ug/kg	
67-66-3	Chloroform	ND	3200	200	ug/kg	
74-87-3	Chloromethane	ND	3200	100	ug/kg	
124-48-1	Dibromochloromethane	ND	3200	70	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3200	87	ug/kg	
107-06-2	1,2-Dichloroethane	ND	630	220	ug/kg	
75-35-4	1,1-Dichloroethene	ND	3200	420	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	3200	150	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	3200	280	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	3200	150	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3200	82	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3200	84	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3200	61	ug/kg	
100-41-4	Ethylbenzene	22900	630	230	ug/kg	
591-78-6	2-Hexanone	ND	3200	610	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	630	180	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3200	510	ug/kg	
75-09-2	Methylene chloride	ND	3200	140	ug/kg	
100-42-5	Styrene	ND	3200	68	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3200	190	ug/kg	
127-18-4	Tetrachloroethene	ND	3200	92	ug/kg	
108-88-3	Toluene	12800	630	180	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3200	81	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-24-6D	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-1	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	84.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	3200	120	ug/kg	
79-01-6	Trichloroethene	ND	3200	330	ug/kg	
75-01-4	Vinyl chloride	ND	3200	110	ug/kg	
1330-20-7	Xylene (total)	79200	1300	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	107%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	91%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-6D	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-1	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	84.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3E24183.D	1	01/28/10	OYA	01/26/10	OP41960	E3E1092
Run #2	3E24203.D	100	01/29/10	LP	01/26/10	OP41960	E3E1093

	Initial Weight	Final Volume
Run #1	30.2 g	5.0 ml
Run #2	30.2 g	5.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	980	200	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	980	200	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	980	320	ug/kg	
105-67-9	2,4-Dimethylphenol	2860	980	330	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	3900	240	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	3900	240	ug/kg	
95-48-7	2-Methylphenol	733	390	220	ug/kg	
	3&4-Methylphenol	1150	390	250	ug/kg	
88-75-5	2-Nitrophenol	ND	980	210	ug/kg	
100-02-7	4-Nitrophenol	ND	2000	330	ug/kg	
87-86-5	Pentachlorophenol	ND	2000	340	ug/kg	
108-95-2	Phenol	ND	390	210	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	980	230	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	980	180	ug/kg	
83-32-9	Acenaphthene	126000 ^b	20000	5700	ug/kg	
208-96-8	Acenaphthylene	98700 ^b	20000	6300	ug/kg	
120-12-7	Anthracene	216000 ^b	20000	6900	ug/kg	
56-55-3	Benzo(a)anthracene	144000 ^b	20000	6400	ug/kg	
50-32-8	Benzo(a)pyrene	81300 ^b	20000	6000	ug/kg	
205-99-2	Benzo(b)fluoranthene	110000 ^b	20000	6600	ug/kg	
191-24-2	Benzo(g,h,i)perylene	32800 ^b	20000	7300	ug/kg	
207-08-9	Benzo(k)fluoranthene	12200	200	74	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	390	71	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	390	110	ug/kg	
91-58-7	2-Chloronaphthalene	ND	390	61	ug/kg	
106-47-8	4-Chloroaniline	ND	980	63	ug/kg	
86-74-8	Carbazole	93800 ^b	39000	9100	ug/kg	
218-01-9	Chrysene	114000 ^b	20000	6600	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	390	79	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	390	59	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	390	58	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	390	59	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-6D	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-1	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	84.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	390	57	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	390	53	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	390	44	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	390	86	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	390	75	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	980	50	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	11900	200	67	ug/kg	
132-64-9	Dibenzofuran	192000 ^b	39000	5800	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	390	44	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	390	96	ug/kg	
84-66-2	Diethyl phthalate	ND	390	67	ug/kg	
131-11-3	Dimethyl phthalate	ND	390	69	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	390	170	ug/kg	
206-44-0	Fluoranthene	291000 ^b	20000	8700	ug/kg	
86-73-7	Fluorene	285000 ^b	20000	6400	ug/kg	
118-74-1	Hexachlorobenzene	ND	390	64	ug/kg	
87-68-3	Hexachlorobutadiene	ND	200	55	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	3900	200	ug/kg	
67-72-1	Hexachloroethane	ND	980	55	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	31500 ^b	20000	6800	ug/kg	
78-59-1	Isophorone	ND	390	53	ug/kg	
91-57-6	2-Methylnaphthalene	527000 ^b	39000	11000	ug/kg	
88-74-4	2-Nitroaniline	ND	980	86	ug/kg	
99-09-2	3-Nitroaniline	ND	980	79	ug/kg	
100-01-6	4-Nitroaniline	ND	980	77	ug/kg	
91-20-3	Naphthalene	1580000 ^b	20000	5400	ug/kg	
98-95-3	Nitrobenzene	ND	390	57	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	390	48	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	980	120	ug/kg	
85-01-8	Phenanthrene	648000 ^b	20000	8900	ug/kg	
129-00-0	Pyrene	272000 ^b	20000	7500	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	390	52	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	87%	0% ^c	30-109%
4165-62-2	Phenol-d5	86%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	93%	0% ^c	28-125%
4165-60-0	Nitrobenzene-d5	108%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	108% ^d	0% ^c	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-6D		
Lab Sample ID:	JA37789-1	Date Sampled:	01/13/10
Matrix:	SO - Soil	Date Received:	01/15/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	84.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	108%	0% ^c	31-116%

- (a) Elevated detection limit due to high final volume of viscous extract.
- (b) Result is from Run# 2
- (c) Outside control limits due to dilution.
- (d) Outside of in house control limits, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-8D	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-2	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	76.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164491.D	1	01/24/10	TDN	n/a	n/a	VD6624
Run #2	D164540.D	1	01/26/10	TDN	n/a	n/a	VD6626

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.7 g	10.0 ml	10.0 ul
Run #2	10.7 g	10.0 ml	1.0 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	7600	1700	ug/kg	
71-43-2	Benzene	ND	760	260	ug/kg	
75-27-4	Bromodichloromethane	ND	3800	200	ug/kg	
75-25-2	Bromoform	ND	3800	110	ug/kg	
74-83-9	Bromomethane	ND	3800	310	ug/kg	
78-93-3	2-Butanone (MEK)	ND	7600	1500	ug/kg	
75-15-0	Carbon disulfide	ND	3800	230	ug/kg	
56-23-5	Carbon tetrachloride	ND	3800	420	ug/kg	
108-90-7	Chlorobenzene	ND	3800	260	ug/kg	
75-00-3	Chloroethane	ND	3800	760	ug/kg	
67-66-3	Chloroform	ND	3800	240	ug/kg	
74-87-3	Chloromethane	ND	3800	130	ug/kg	
124-48-1	Dibromochloromethane	ND	3800	84	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3800	110	ug/kg	
107-06-2	1,2-Dichloroethane	ND	760	260	ug/kg	
75-35-4	1,1-Dichloroethene	ND	3800	500	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	3800	180	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	3800	340	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	3800	180	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3800	99	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3800	100	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3800	73	ug/kg	
100-41-4	Ethylbenzene	92800	760	280	ug/kg	
591-78-6	2-Hexanone	ND	3800	730	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	760	210	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3800	620	ug/kg	
75-09-2	Methylene chloride	ND	3800	170	ug/kg	
100-42-5	Styrene	ND	3800	81	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3800	220	ug/kg	
127-18-4	Tetrachloroethene	ND	3800	110	ug/kg	
108-88-3	Toluene	2090	760	220	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3800	97	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-24-8D	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-2	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	76.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	3800	140	ug/kg	
79-01-6	Trichloroethene	ND	3800	400	ug/kg	
75-01-4	Vinyl chloride	ND	3800	140	ug/kg	
1330-20-7	Xylene (total)	419000 ^b	15000	3600	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	92%	67-127%
17060-07-0	1,2-Dichloroethane-D4	106%	106%	65-132%
2037-26-5	Toluene-D8	90%	88%	74-129%
460-00-4	4-Bromofluorobenzene	94%	92%	62-138%

(a) Diluted due to high concentration of non-target compound.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-8D	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-2	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	76.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3E24204.D	10	01/29/10	LP	01/26/10	OP41960	E3E1093
Run #2	3E24206.D	1000	01/29/10	LP	01/26/10	OP41960	E3E1093

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2	30.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	2200	440	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	2200	430	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	2200	700	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	2200	730	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	8700	530	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	8700	530	ug/kg	
95-48-7	2-Methylphenol	ND	870	500	ug/kg	
	3&4-Methylphenol	ND	870	550	ug/kg	
88-75-5	2-Nitrophenol	ND	2200	460	ug/kg	
100-02-7	4-Nitrophenol	ND	4300	730	ug/kg	
87-86-5	Pentachlorophenol	ND	4300	740	ug/kg	
108-95-2	Phenol	ND	870	460	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	2200	500	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	2200	410	ug/kg	
83-32-9	Acenaphthene	172000 ^b	43000	13000	ug/kg	
208-96-8	Acenaphthylene	15700	430	140	ug/kg	
120-12-7	Anthracene	133000 ^b	43000	15000	ug/kg	
56-55-3	Benzo(a)anthracene	30600	430	140	ug/kg	
50-32-8	Benzo(a)pyrene	18400	430	130	ug/kg	
205-99-2	Benzo(b)fluoranthene	20200	430	150	ug/kg	
191-24-2	Benzo(g,h,i)perylene	9410	430	160	ug/kg	
207-08-9	Benzo(k)fluoranthene	8230	430	160	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	870	160	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	870	250	ug/kg	
91-58-7	2-Chloronaphthalene	ND	870	130	ug/kg	
106-47-8	4-Chloroaniline	ND	2200	140	ug/kg	
86-74-8	Carbazole	21300	870	200	ug/kg	
218-01-9	Chrysene	22700	430	150	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	870	180	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	870	130	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	870	130	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	870	130	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID:	PI-24-8D	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-2	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	76.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	870	130	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	870	120	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	870	97	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	870	190	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	870	170	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	2200	110	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	3520	430	150	ug/kg	
132-64-9	Dibenzofuran	151000 ^b	87000	13000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	870	96	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	870	210	ug/kg	
84-66-2	Diethyl phthalate	ND	870	150	ug/kg	
131-11-3	Dimethyl phthalate	ND	870	150	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	870	380	ug/kg	
206-44-0	Fluoranthene	144000 ^b	43000	19000	ug/kg	
86-73-7	Fluorene	153000 ^b	43000	14000	ug/kg	
118-74-1	Hexachlorobenzene	ND	870	140	ug/kg	
87-68-3	Hexachlorobutadiene	ND	430	120	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	8700	440	ug/kg	
67-72-1	Hexachloroethane	ND	2200	120	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	9200	430	150	ug/kg	
78-59-1	Isophorone	ND	870	120	ug/kg	
91-57-6	2-Methylnaphthalene	438000 ^b	87000	24000	ug/kg	
88-74-4	2-Nitroaniline	ND	2200	190	ug/kg	
99-09-2	3-Nitroaniline	ND	2200	170	ug/kg	
100-01-6	4-Nitroaniline	ND	2200	170	ug/kg	
91-20-3	Naphthalene	3320000 ^b	43000	12000	ug/kg	
98-95-3	Nitrobenzene	ND	870	130	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	870	110	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	2200	260	ug/kg	
85-01-8	Phenanthrene	329000 ^b	43000	20000	ug/kg	
129-00-0	Pyrene	126000 ^b	43000	17000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	870	120	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%	0% ^c	30-109%
4165-62-2	Phenol-d5	57%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	78%	0% ^c	28-125%
4165-60-0	Nitrobenzene-d5	120% ^c	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	98%	0% ^c	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-8D		
Lab Sample ID:	JA37789-2	Date Sampled:	01/13/10
Matrix:	SO - Soil	Date Received:	01/15/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	76.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	98%	0% ^c	31-116%

- (a) Diluted due to high concentration of target compound and matrix interference.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-7D	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-3	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	85.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164492.D	1	01/24/10	TDN	n/a	n/a	VD6624
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.1 g	10.0 ml	5.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12000	2700	ug/kg	
71-43-2	Benzene	12900	1200	410	ug/kg	
75-27-4	Bromodichloromethane	ND	6100	310	ug/kg	
75-25-2	Bromoform	ND	6100	180	ug/kg	
74-83-9	Bromomethane	ND	6100	490	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12000	2400	ug/kg	
75-15-0	Carbon disulfide	ND	6100	370	ug/kg	
56-23-5	Carbon tetrachloride	ND	6100	670	ug/kg	
108-90-7	Chlorobenzene	ND	6100	410	ug/kg	
75-00-3	Chloroethane	ND	6100	1200	ug/kg	
67-66-3	Chloroform	ND	6100	390	ug/kg	
74-87-3	Chloromethane	ND	6100	200	ug/kg	
124-48-1	Dibromochloromethane	ND	6100	130	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6100	170	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1200	420	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6100	800	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6100	290	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6100	550	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6100	290	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6100	160	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6100	160	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6100	120	ug/kg	
100-41-4	Ethylbenzene	3980	1200	450	ug/kg	
591-78-6	2-Hexanone	ND	6100	1200	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1200	340	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6100	990	ug/kg	
75-09-2	Methylene chloride	ND	6100	270	ug/kg	
100-42-5	Styrene	4670	6100	130	ug/kg	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	6100	360	ug/kg	
127-18-4	Tetrachloroethene	ND	6100	180	ug/kg	
108-88-3	Toluene	19200	1200	350	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6100	160	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-24-7D	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-3	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	85.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	6100	220	ug/kg	
79-01-6	Trichloroethene	ND	6100	640	ug/kg	
75-01-4	Vinyl chloride	ND	6100	220	ug/kg	
1330-20-7	Xylene (total)	27600	2400	570	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	104%		65-132%
2037-26-5	Toluene-D8	87%		74-129%
460-00-4	4-Bromofluorobenzene	90%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-24-7D		
Lab Sample ID:	JA37789-3	Date Sampled:	01/13/10
Matrix:	SO - Soil	Date Received:	01/15/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	85.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3E24185.D	1	01/28/10	OYA	01/26/10	OP41960	E3E1092
Run #2	3E24207.D	100	01/29/10	LP	01/26/10	OP41960	E3E1093

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2	30.0 g	10.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1900	390	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	1900	390	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	1900	630	ug/kg	
105-67-9	2,4-Dimethylphenol	2060	1900	650	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	7800	470	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	7800	470	ug/kg	
95-48-7	2-Methylphenol	ND	780	440	ug/kg	
	3&4-Methylphenol	ND	780	490	ug/kg	
88-75-5	2-Nitrophenol	ND	1900	410	ug/kg	
100-02-7	4-Nitrophenol	ND	3900	660	ug/kg	
87-86-5	Pentachlorophenol	ND	3900	660	ug/kg	
108-95-2	Phenol	ND	780	410	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	1900	450	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	1900	370	ug/kg	
83-32-9	Acenaphthene	184000 ^b	39000	11000	ug/kg	
208-96-8	Acenaphthylene	167000 ^b	39000	12000	ug/kg	
120-12-7	Anthracene	357000 ^b	39000	14000	ug/kg	
56-55-3	Benzo(a)anthracene	260000 ^b	39000	13000	ug/kg	
50-32-8	Benzo(a)pyrene	200000 ^b	39000	12000	ug/kg	
205-99-2	Benzo(b)fluoranthene	343000 ^b	39000	13000	ug/kg	
191-24-2	Benzo(g,h,i)perylene	124000 ^b	39000	14000	ug/kg	
207-08-9	Benzo(k)fluoranthene	66100 ^b	39000	15000	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	780	140	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	780	220	ug/kg	
91-58-7	2-Chloronaphthalene	ND	780	120	ug/kg	
106-47-8	4-Chloroaniline	ND	1900	120	ug/kg	
86-74-8	Carbazole	160000 ^b	78000	18000	ug/kg	
218-01-9	Chrysene	220000 ^b	39000	13000	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	780	160	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	780	120	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	780	120	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	780	120	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-7D	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-3	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	85.8
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	780	110	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	780	100	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	780	87	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	780	170	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	780	150	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1900	99	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	28000	390	130	ug/kg	
132-64-9	Dibenzofuran	298000 ^b	78000	12000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	780	86	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	780	190	ug/kg	
84-66-2	Diethyl phthalate	ND	780	130	ug/kg	
131-11-3	Dimethyl phthalate	ND	780	140	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	780	340	ug/kg	
206-44-0	Fluoranthene	740000 ^b	39000	17000	ug/kg	
86-73-7	Fluorene	314000 ^b	39000	13000	ug/kg	
118-74-1	Hexachlorobenzene	ND	780	130	ug/kg	
87-68-3	Hexachlorobutadiene	ND	390	110	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	7800	400	ug/kg	
67-72-1	Hexachloroethane	ND	1900	110	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	105000 ^b	39000	13000	ug/kg	
78-59-1	Isophorone	ND	780	100	ug/kg	
91-57-6	2-Methylnaphthalene	444000 ^b	78000	22000	ug/kg	
88-74-4	2-Nitroaniline	ND	1900	170	ug/kg	
99-09-2	3-Nitroaniline	ND	1900	160	ug/kg	
100-01-6	4-Nitroaniline	ND	1900	150	ug/kg	
91-20-3	Naphthalene	3330000 ^b	39000	11000	ug/kg	
98-95-3	Nitrobenzene	ND	780	110	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	780	95	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1900	230	ug/kg	
85-01-8	Phenanthrene	1190000 ^b	39000	18000	ug/kg	
129-00-0	Pyrene	645000 ^b	39000	15000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	780	100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	85%	0% ^c	30-109%
4165-62-2	Phenol-d5	75%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	79%	0% ^c	28-125%
4165-60-0	Nitrobenzene-d5	113%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	99%	0% ^c	38-107%

ND = Not detected MDL - Method Detection Limit

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-7D	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-3	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	85.8
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	103%	0% ^c	31-116%

- (a) Elevated detection limit due to high final volume of viscous extract.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-24-S3	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-4	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C73471.D	1	01/20/10	MAH	n/a	n/a	V1C3196
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	41.6	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	1.4	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	7.4	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-24-S3	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-4	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	6.7	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		76-120%
17060-07-0	1,2-Dichloroethane-D4	108%		64-135%
2037-26-5	Toluene-D8	105%		76-117%
460-00-4	4-Bromofluorobenzene	102%		72-122%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-24-S3	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-4	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70786.D	1	01/29/10	LP	01/19/10	OP41879	EM2674
Run #2	M70801.D	5	01/29/10	LP	01/19/10	OP41879	EM2675

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	36.0	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	23.6	2.0	1.1	ug/l	
	3&4-Methylphenol	53.0	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	12.0	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	14.5	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	2.9	1.0	0.27	ug/l	
120-12-7	Anthracene	4.9	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	4.5	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	5.6	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	4.6	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	5.4	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	3.2	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	7.2	2.0	0.17	ug/l	
218-01-9	Chrysene	4.8	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-S3	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-4	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	1.4	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	16.0	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	5.1	2.0	0.33	ug/l	B
206-44-0	Fluoranthene	11.1	1.0	0.17	ug/l	
86-73-7	Fluorene	14.8	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	3.5	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	30.6	2.0	0.66	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	189 ^a	5.0	2.1	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	23.6	1.0	0.21	ug/l	
129-00-0	Pyrene	10.2	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	30%	33%	13-68%
4165-62-2	Phenol-d5	20%	23%	10-49%
118-79-6	2,4,6-Tribromophenol	80%	85%	37-130%
4165-60-0	Nitrobenzene-d5	67%	73%	25-112%
321-60-8	2-Fluorobiphenyl	74%	87%	31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-S3		
Lab Sample ID:	JA37789-4	Date Sampled:	01/13/10
Matrix:	AQ - Ground Water	Date Received:	01/15/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	63%	74%	14-122%

(a) Result is from Run# 2

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-24-S4	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-5	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C73445.D	25	01/20/10	MAH	n/a	n/a	V1C3195
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	72	ug/l	
71-43-2	Benzene	3190	25	5.9	ug/l	
75-27-4	Bromodichloromethane	ND	25	5.5	ug/l	
75-25-2	Bromoform	ND	100	5.8	ug/l	
74-83-9	Bromomethane	ND	50	7.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	250	41	ug/l	
75-15-0	Carbon disulfide	ND	50	18	ug/l	
56-23-5	Carbon tetrachloride	ND	25	6.4	ug/l	
108-90-7	Chlorobenzene	ND	25	9.7	ug/l	
75-00-3	Chloroethane	ND	25	9.3	ug/l	
67-66-3	Chloroform	ND	25	5.9	ug/l	
74-87-3	Chloromethane	ND	25	7.2	ug/l	
124-48-1	Dibromochloromethane	ND	25	5.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	25	7.2	ug/l	
107-06-2	1,2-Dichloroethane	ND	25	8.3	ug/l	
75-35-4	1,1-Dichloroethene	ND	25	9.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	25	5.4	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	25	6.2	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	25	5.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	25	6.8	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	6.2	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	5.3	ug/l	
100-41-4	Ethylbenzene	119	25	6.7	ug/l	
591-78-6	2-Hexanone	ND	130	35	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	25	5.8	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	130	21	ug/l	
75-09-2	Methylene chloride	ND	50	7.6	ug/l	
100-42-5	Styrene	ND	130	14	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	6.0	ug/l	
127-18-4	Tetrachloroethene	ND	25	6.6	ug/l	
108-88-3	Toluene	1580	25	7.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	25	6.4	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-24-S4	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-5	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	25	5.8	ug/l	
79-01-6	Trichloroethene	ND	25	6.0	ug/l	
75-01-4	Vinyl chloride	ND	25	11	ug/l	
1330-20-7	Xylene (total)	761	25	6.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		76-120%
17060-07-0	1,2-Dichloroethane-D4	103%		64-135%
2037-26-5	Toluene-D8	104%		76-117%
460-00-4	4-Bromofluorobenzene	102%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID: PI-24-S4
Lab Sample ID: JA37789-5
Matrix: AQ - Ground Water
Method: SW846 8270C SW846 3510C
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 01/13/10
Date Received: 01/15/10
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70787.D	1	01/29/10	LP	01/19/10	OP41879	EM2674
Run #2	M70802.D	20	01/29/10	LP	01/19/10	OP41879	EM2675
Run #3	M70834.D	200	01/30/10	LP	01/19/10	OP41879	EM2675

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	1430 ^a	100	33	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	902 ^a	40	22	ug/l	
	3&4-Methylphenol	1680 ^a	40	21	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	339 ^a	40	12	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	53.5	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	70.5	1.0	0.27	ug/l	
120-12-7	Anthracene	45.8	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	27.4	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	26.1	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	17.5	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	15.4	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	18.6	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	169 ^a	40	3.3	ug/l	
218-01-9	Chrysene	32.2	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-S4	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-5	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	4.2	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	80.7	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	5.0	2.0	0.33	ug/l	B
206-44-0	Fluoranthene	75.4	1.0	0.17	ug/l	
86-73-7	Fluorene	72.4	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	12.7	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	225 ^a	40	13	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	4680 ^b	200	85	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	218 ^a	20	4.2	ug/l	
129-00-0	Pyrene	70.9	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	30%	39%	0% ^c	13-68%
4165-62-2	Phenol-d5	19%	20%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	66%	69%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-S4	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-5	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	39%	75%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	64%	83%	0% ^c	31-106%
1718-51-0	Terphenyl-d14	60%	74%	0% ^c	14-122%

- (a) Result is from Run# 2
(b) Result is from Run# 3
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-24-S5	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-6	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C73472.D	50	01/20/10	MAH	n/a	n/a	V1C3196
Run #2	1C73449.D	200	01/20/10	MAH	n/a	n/a	V1C3195

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	140	ug/l	
71-43-2	Benzene	1150	50	12	ug/l	
75-27-4	Bromodichloromethane	ND	50	11	ug/l	
75-25-2	Bromoform	ND	200	12	ug/l	
74-83-9	Bromomethane	ND	100	15	ug/l	
78-93-3	2-Butanone (MEK)	ND	500	81	ug/l	
75-15-0	Carbon disulfide	ND	100	37	ug/l	
56-23-5	Carbon tetrachloride	ND	50	13	ug/l	
108-90-7	Chlorobenzene	ND	50	19	ug/l	
75-00-3	Chloroethane	ND	50	19	ug/l	
67-66-3	Chloroform	ND	50	12	ug/l	
74-87-3	Chloromethane	ND	50	14	ug/l	
124-48-1	Dibromochloromethane	ND	50	11	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	14	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	17	ug/l	
75-35-4	1,1-Dichloroethene	ND	50	20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	50	11	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	12	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	50	11	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	12	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	1690	50	13	ug/l	
591-78-6	2-Hexanone	ND	250	70	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	12	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	250	43	ug/l	
75-09-2	Methylene chloride	ND	100	15	ug/l	
100-42-5	Styrene	ND	250	29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	12	ug/l	
127-18-4	Tetrachloroethene	ND	50	13	ug/l	
108-88-3	Toluene	11000 ^a	200	60	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	13	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-24-S5	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-6	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	50	12	ug/l	
79-01-6	Trichloroethene	ND	50	12	ug/l	
75-01-4	Vinyl chloride	ND	50	22	ug/l	
1330-20-7	Xylene (total)	7390	50	13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	103%	76-120%
17060-07-0	1,2-Dichloroethane-D4	107%	99%	64-135%
2037-26-5	Toluene-D8	106%	105%	76-117%
460-00-4	4-Bromofluorobenzene	101%	104%	72-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-24-S5	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-6	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70788.D	1	01/29/10	LP	01/19/10	OP41879	EM2674
Run #2	M70803.D	20	01/29/10	LP	01/19/10	OP41879	EM2675
Run #3	M70835.D	200	01/30/10	LP	01/19/10	OP41879	EM2675

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	666 ^a	100	33	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	70.8	2.0	1.1	ug/l	
	3&4-Methylphenol	99.8	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	17.7	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	279 ^a	20	7.3	ug/l	
208-96-8	Acenaphthylene	7.6	1.0	0.27	ug/l	
120-12-7	Anthracene	27.7	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	2.0	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	0.93	1.0	0.095	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.95	1.0	0.25	ug/l	J
191-24-2	Benzo(g,h,i)perylene	0.48	1.0	0.12	ug/l	J
207-08-9	Benzo(k)fluoranthene	0.55	1.0	0.38	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	250 ^a	40	3.3	ug/l	
218-01-9	Chrysene	1.7	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-S5	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-6	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	199 ^a	100	6.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.2	2.0	0.33	ug/l	B
206-44-0	Fluoranthene	12.9	1.0	0.17	ug/l	
86-73-7	Fluorene	141 ^a	20	5.3	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.45	1.0	0.13	ug/l	J
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	951 ^a	40	13	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	11300 ^b	200	85	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	132 ^a	20	4.2	ug/l	
129-00-0	Pyrene	9.4	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	91%	117% ^c	0% ^c	13-68%
4165-62-2	Phenol-d5	30%	32%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	81%	78%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PI-24-S5	Date Sampled:	01/13/10
Lab Sample ID:	JA37789-6	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	24% ^d	78%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	68%	94%	0% ^c	31-106%
1718-51-0	Terphenyl-d14	75%	92%	0% ^c	14-122%

(a) Result is from Run# 2

(b) Result is from Run# 3

(c) Outside control limits due to dilution.

(d) Outside control limits due to matrix interference with corresponding I.S.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-27-1S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-7	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164534.D	1	01/26/10	TDN	n/a	n/a	VD6626
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.7 g	10.0 ml	5.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13000	2900	ug/kg	
71-43-2	Benzene	2740	1300	440	ug/kg	
75-27-4	Bromodichloromethane	ND	6400	330	ug/kg	
75-25-2	Bromoform	ND	6400	190	ug/kg	
74-83-9	Bromomethane	ND	6400	520	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13000	2500	ug/kg	
75-15-0	Carbon disulfide	ND	6400	390	ug/kg	
56-23-5	Carbon tetrachloride	ND	6400	720	ug/kg	
108-90-7	Chlorobenzene	ND	6400	440	ug/kg	
75-00-3	Chloroethane	ND	6400	1300	ug/kg	
67-66-3	Chloroform	ND	6400	410	ug/kg	
74-87-3	Chloromethane	ND	6400	210	ug/kg	
124-48-1	Dibromochloromethane	ND	6400	140	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6400	180	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1300	440	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6400	850	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6400	310	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6400	580	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6400	310	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6400	170	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6400	170	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6400	120	ug/kg	
100-41-4	Ethylbenzene	36100	1300	480	ug/kg	
591-78-6	2-Hexanone	ND	6400	1200	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1300	360	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6400	1000	ug/kg	
75-09-2	Methylene chloride	ND	6400	290	ug/kg	
100-42-5	Styrene	ND	6400	140	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6400	380	ug/kg	
127-18-4	Tetrachloroethene	ND	6400	190	ug/kg	
108-88-3	Toluene	6710	1300	380	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6400	170	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-27-1S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-7	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	6400	240	ug/kg	
79-01-6	Trichloroethene	ND	6400	680	ug/kg	
75-01-4	Vinyl chloride	ND	6400	230	ug/kg	
1330-20-7	Xylene (total)	66100	2600	600	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	105%		65-132%
2037-26-5	Toluene-D8	90%		74-129%
460-00-4	4-Bromofluorobenzene	94%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID: PI-27-1S
Lab Sample ID: JA37789-7
Matrix: SO - Soil
Method: SW846 8270C SW846 3550B
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 01/14/10

Date Received: 01/15/10

Percent Solids: 84.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E24192.D	1	01/28/10	LP	01/26/10	OP41960	E3E1093
Run #2	3E24225.D	20	01/29/10	OYA	01/26/10	OP41960	E3E1094
Run #3	3E24217.D	400	01/29/10	OYA	01/26/10	OP41960	E3E1094

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2	30.3 g	1.0 ml
Run #3	30.3 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	200	39	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	63	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	66	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	780	48	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	780	48	ug/kg	
95-48-7	2-Methylphenol	ND	78	45	ug/kg	
	3&4-Methylphenol	ND	78	50	ug/kg	
88-75-5	2-Nitrophenol	ND	200	41	ug/kg	
100-02-7	4-Nitrophenol	ND	390	66	ug/kg	
87-86-5	Pentachlorophenol	ND	390	67	ug/kg	
108-95-2	Phenol	ND	78	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	45	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	37	ug/kg	
83-32-9	Acenaphthene	85500 ^a	16000	4500	ug/kg	
208-96-8	Acenaphthylene	5790 ^b	780	250	ug/kg	
120-12-7	Anthracene	54100 ^b	780	270	ug/kg	
56-55-3	Benzo(a)anthracene	8710 ^b	780	250	ug/kg	
50-32-8	Benzo(a)pyrene	3460	39	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	3730	39	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1310	39	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	934	39	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	78	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	78	23	ug/kg	
91-58-7	2-Chloronaphthalene	ND	78	12	ug/kg	
106-47-8	4-Chloroaniline	ND	200	12	ug/kg	
86-74-8	Carbazole	20300 ^b	1600	360	ug/kg	
218-01-9	Chrysene	6790 ^b	780	260	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	78	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	78	12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-1S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-7	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	84.5
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	78	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	78	12	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	78	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	78	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	78	8.7	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	78	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	78	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	200	9.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	524	39	13	ug/kg	
132-64-9	Dibenzofuran	73000 ^a	31000	4600	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	78	8.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	78	19	ug/kg	
84-66-2	Diethyl phthalate	ND	78	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	78	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	78	34	ug/kg	
206-44-0	Fluoranthene	51400 ^b	780	340	ug/kg	
86-73-7	Fluorene	81000 ^a	16000	5100	ug/kg	
118-74-1	Hexachlorobenzene	ND	78	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	780	40	ug/kg	
67-72-1	Hexachloroethane	ND	200	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1460	39	14	ug/kg	
78-59-1	Isophorone	ND	78	11	ug/kg	
91-57-6	2-Methylnaphthalene	189000 ^a	31000	8700	ug/kg	
88-74-4	2-Nitroaniline	ND	200	17	ug/kg	
99-09-2	3-Nitroaniline	ND	200	16	ug/kg	
100-01-6	4-Nitroaniline	ND	200	15	ug/kg	
91-20-3	Naphthalene	1020000 ^a	16000	4300	ug/kg	
98-95-3	Nitrobenzene	ND	78	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	78	9.5	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	23	ug/kg	
85-01-8	Phenanthrene	177000 ^a	16000	7100	ug/kg	
129-00-0	Pyrene	34800 ^b	780	300	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	78	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	52%	59%	0% ^c	30-109%
4165-62-2	Phenol-d5	96%	84%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	96%	72%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-1S		
Lab Sample ID:	JA37789-7	Date Sampled:	01/14/10
Matrix:	SO - Soil	Date Received:	01/15/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	84.5
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	192% ^d	76%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	92%	94%	0% ^c	38-107%
1718-51-0	Terphenyl-d14	99%	88%	0% ^c	31-116%

- (a) Result is from Run# 3
- (b) Result is from Run# 2
- (c) Outside control limits due to dilution.
- (d) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-27-2S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-8	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	98.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164535.D	1	01/26/10	TDN	n/a	n/a	VD6626
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.8 g	10.0 ml	4.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11000	2400	ug/kg	
71-43-2	Benzene	4360	1100	370	ug/kg	
75-27-4	Bromodichloromethane	ND	5400	280	ug/kg	
75-25-2	Bromoform	ND	5400	160	ug/kg	
74-83-9	Bromomethane	ND	5400	440	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11000	2100	ug/kg	
75-15-0	Carbon disulfide	ND	5400	330	ug/kg	
56-23-5	Carbon tetrachloride	ND	5400	600	ug/kg	
108-90-7	Chlorobenzene	ND	5400	370	ug/kg	
75-00-3	Chloroethane	ND	5400	1100	ug/kg	
67-66-3	Chloroform	ND	5400	350	ug/kg	
74-87-3	Chloromethane	ND	5400	180	ug/kg	
124-48-1	Dibromochloromethane	ND	5400	120	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5400	150	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1100	380	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5400	720	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5400	260	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5400	490	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	5400	260	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5400	140	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5400	140	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5400	100	ug/kg	
100-41-4	Ethylbenzene	25900	1100	400	ug/kg	
591-78-6	2-Hexanone	ND	5400	1000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1100	310	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5400	880	ug/kg	
75-09-2	Methylene chloride	ND	5400	240	ug/kg	
100-42-5	Styrene	ND	5400	120	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5400	320	ug/kg	
127-18-4	Tetrachloroethene	ND	5400	160	ug/kg	
108-88-3	Toluene	1640	1100	320	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5400	140	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-27-2S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-8	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	98.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	5400	200	ug/kg	
79-01-6	Trichloroethene	ND	5400	570	ug/kg	
75-01-4	Vinyl chloride	ND	5400	190	ug/kg	
1330-20-7	Xylene (total)	62600	2200	510	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	106%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	92%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-27-2S		
Lab Sample ID:	JA37789-8	Date Sampled:	01/14/10
Matrix:	SO - Soil	Date Received:	01/15/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	98.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3E24193.D	1	01/28/10	LP	01/26/10	OP41960	E3E1093
Run #2	3E24212.D	50	01/29/10	OYA	01/26/10	OP41960	E3E1094

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2	30.0 g	10.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1700	340	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	1700	340	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	1700	540	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	1700	570	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	6800	410	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	6800	410	ug/kg	
95-48-7	2-Methylphenol	ND	680	390	ug/kg	
	3&4-Methylphenol	ND	680	430	ug/kg	
88-75-5	2-Nitrophenol	ND	1700	360	ug/kg	
100-02-7	4-Nitrophenol	ND	3400	570	ug/kg	
87-86-5	Pentachlorophenol	ND	3400	580	ug/kg	
108-95-2	Phenol	ND	680	350	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	1700	390	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	1700	320	ug/kg	
83-32-9	Acenaphthene	90200 ^b	17000	4900	ug/kg	
208-96-8	Acenaphthylene	4540	340	110	ug/kg	
120-12-7	Anthracene	64900 ^b	17000	5900	ug/kg	
56-55-3	Benzo(a)anthracene	32600	340	110	ug/kg	
50-32-8	Benzo(a)pyrene	15600	340	100	ug/kg	
205-99-2	Benzo(b)fluoranthene	18800	340	110	ug/kg	
191-24-2	Benzo(g,h,i)perylene	6420	340	130	ug/kg	
207-08-9	Benzo(k)fluoranthene	5490	340	130	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	680	120	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	680	200	ug/kg	
91-58-7	2-Chloronaphthalene	ND	680	100	ug/kg	
106-47-8	4-Chloroaniline	ND	1700	110	ug/kg	
86-74-8	Carbazole	16000	680	160	ug/kg	
218-01-9	Chrysene	24400	340	110	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	680	140	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	680	100	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	680	100	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	680	100	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-2S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-8	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	98.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	680	97	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	680	91	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	680	75	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	680	150	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	680	130	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1700	86	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	2530	340	120	ug/kg	
132-64-9	Dibenzofuran	77000 ^b	34000	5000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	680	75	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	680	160	ug/kg	
84-66-2	Diethyl phthalate	ND	680	120	ug/kg	
131-11-3	Dimethyl phthalate	ND	680	120	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	680	300	ug/kg	
206-44-0	Fluoranthene	78800 ^b	17000	7400	ug/kg	
86-73-7	Fluorene	87200 ^b	17000	5500	ug/kg	
118-74-1	Hexachlorobenzene	ND	680	110	ug/kg	
87-68-3	Hexachlorobutadiene	ND	340	94	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	6800	340	ug/kg	
67-72-1	Hexachloroethane	ND	1700	94	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	6660	340	120	ug/kg	
78-59-1	Isophorone	ND	680	91	ug/kg	
91-57-6	2-Methylnaphthalene	127000 ^b	34000	9400	ug/kg	
88-74-4	2-Nitroaniline	ND	1700	150	ug/kg	
99-09-2	3-Nitroaniline	ND	1700	140	ug/kg	
100-01-6	4-Nitroaniline	ND	1700	130	ug/kg	
91-20-3	Naphthalene	895000 ^b	17000	4600	ug/kg	
98-95-3	Nitrobenzene	ND	680	98	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	680	82	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1700	200	ug/kg	
85-01-8	Phenanthrene	183000 ^b	17000	7700	ug/kg	
129-00-0	Pyrene	71600 ^b	17000	6500	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	680	90	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	113% ^c	0% ^c	30-109%
4165-62-2	Phenol-d5	81%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	107%	0% ^c	28-125%
4165-60-0	Nitrobenzene-d5	97%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	131% ^c	0% ^c	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-2S		
Lab Sample ID:	JA37789-8	Date Sampled:	01/14/10
Matrix:	SO - Soil	Date Received:	01/15/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	98.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	131% ^c	0% ^c	31-116%

- (a) Elevated detection limit due to high final volume of viscous extract.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-24-S6	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-9	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	1C73450.D	20	01/20/10	MAH	n/a	n/a	V1C3195
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	200	57	ug/l	
71-43-2	Benzene	38.5	20	4.7	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.4	ug/l	
75-25-2	Bromoform	ND	80	4.6	ug/l	
74-83-9	Bromomethane	ND	40	5.9	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	32	ug/l	
75-15-0	Carbon disulfide	ND	40	15	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.1	ug/l	
108-90-7	Chlorobenzene	ND	20	7.8	ug/l	
75-00-3	Chloroethane	ND	20	7.4	ug/l	
67-66-3	Chloroform	ND	20	4.7	ug/l	
74-87-3	Chloromethane	ND	20	5.8	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.3	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	6.7	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	7.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	20	4.3	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	20	5.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	20	4.3	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	5.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.3	ug/l	
100-41-4	Ethylbenzene	979	20	5.4	ug/l	
591-78-6	2-Hexanone	ND	100	28	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	4.7	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	17	ug/l	
75-09-2	Methylene chloride	ND	40	6.1	ug/l	
100-42-5	Styrene	ND	100	12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.8	ug/l	
127-18-4	Tetrachloroethene	ND	20	5.3	ug/l	
108-88-3	Toluene	548	20	6.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	5.1	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-24-S6	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-9	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	20	4.6	ug/l	
79-01-6	Trichloroethene	ND	20	4.8	ug/l	
75-01-4	Vinyl chloride	ND	20	8.9	ug/l	
1330-20-7	Xylene (total)	4490	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		76-120%
17060-07-0	1,2-Dichloroethane-D4	100%		64-135%
2037-26-5	Toluene-D8	104%		76-117%
460-00-4	4-Bromofluorobenzene	103%		72-122%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-24-S6	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-9	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70789.D	1	01/29/10	LP	01/19/10	OP41879	EM2674
Run #2	M70804.D	20	01/29/10	LP	01/19/10	OP41879	EM2675
Run #3	M70836.D	200	01/30/10	LP	01/19/10	OP41879	EM2675

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	J
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	3.4	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	6.5	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	3.0	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	609 ^a	20	7.3	ug/l	
208-96-8	Acenaphthylene	24.0	1.0	0.27	ug/l	
120-12-7	Anthracene	165 ^a	20	3.2	ug/l	
56-55-3	Benzo(a)anthracene	33.1	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	23.6	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	14.5	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	11.2	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	18.0	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	75.2	2.0	0.17	ug/l	
218-01-9	Chrysene	30.3	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-S6	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-9	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	4.4	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	525 ^a	100	6.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.4	2.0	0.33	ug/l	B
206-44-0	Fluoranthene	173 ^a	20	3.4	ug/l	
86-73-7	Fluorene	411 ^a	20	5.3	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	2000 ^a	40	13	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	14900 ^b	200	85	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	654 ^a	20	4.2	ug/l	
129-00-0	Pyrene	127 ^a	20	3.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	28%	33%	0% ^c	13-68%
4165-62-2	Phenol-d5	29%	34%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	89%	101%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PI-24-S6	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-9	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	23% ^d	87%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	72%	100%	0% ^c	31-106%
1718-51-0	Terphenyl-d14	84%	103%	0% ^c	14-122%

(a) Result is from Run# 2

(b) Result is from Run# 3

(c) Outside control limits due to dilution.

(d) Outside control limits due to matrix interference with corresponding I.S.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-27-3S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-10	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164532.D	1	01/26/10	TDN	n/a	n/a	VD6626
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.8 g	10.0 ml	10.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	6100	1400	ug/kg	J
71-43-2	Benzene	221	610	210	ug/kg	
75-27-4	Bromodichloromethane	ND	3100	160	ug/kg	
75-25-2	Bromoform	ND	3100	93	ug/kg	
74-83-9	Bromomethane	ND	3100	250	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6100	1200	ug/kg	
75-15-0	Carbon disulfide	ND	3100	190	ug/kg	
56-23-5	Carbon tetrachloride	ND	3100	340	ug/kg	
108-90-7	Chlorobenzene	ND	3100	210	ug/kg	
75-00-3	Chloroethane	ND	3100	610	ug/kg	
67-66-3	Chloroform	ND	3100	190	ug/kg	
74-87-3	Chloromethane	ND	3100	100	ug/kg	
124-48-1	Dibromochloromethane	ND	3100	67	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3100	85	ug/kg	
107-06-2	1,2-Dichloroethane	ND	610	210	ug/kg	
75-35-4	1,1-Dichloroethene	ND	3100	410	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	3100	150	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	3100	280	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	3100	150	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3100	80	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3100	82	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3100	59	ug/kg	
100-41-4	Ethylbenzene	26800	610	230	ug/kg	
591-78-6	2-Hexanone	ND	3100	590	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	610	170	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3100	500	ug/kg	
75-09-2	Methylene chloride	ND	3100	140	ug/kg	
100-42-5	Styrene	ND	3100	66	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3100	180	ug/kg	
127-18-4	Tetrachloroethene	ND	3100	89	ug/kg	
108-88-3	Toluene	ND	610	180	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3100	78	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.10

3

Client Sample ID:	PI-27-3S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-10	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	3100	110	ug/kg	
79-01-6	Trichloroethene	ND	3100	320	ug/kg	
75-01-4	Vinyl chloride	ND	3100	110	ug/kg	
1330-20-7	Xylene (total)	5900	1200	290	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	106%		65-132%
2037-26-5	Toluene-D8	91%		74-129%
460-00-4	4-Bromofluorobenzene	96%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3.10

3

Client Sample ID:	PI-27-3S		
Lab Sample ID:	JA37789-10	Date Sampled:	01/14/10
Matrix:	SO - Soil	Date Received:	01/15/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	83.0
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E24195.D	1	01/29/10	LP	01/26/10	OP41960	E3E1093
Run #2	3E24218.D	20	01/29/10	OYA	01/26/10	OP41960	E3E1094
Run #3	3E24237.D	40	02/01/10	OYA	01/26/10	OP41960	E3E1095

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2	30.2 g	1.0 ml
Run #3	30.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	200	40	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	40	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	64	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	67	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	800	49	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	800	49	ug/kg	
95-48-7	2-Methylphenol	ND	80	45	ug/kg	
	3&4-Methylphenol	ND	80	51	ug/kg	
88-75-5	2-Nitrophenol	ND	200	42	ug/kg	
100-02-7	4-Nitrophenol	ND	400	67	ug/kg	
87-86-5	Pentachlorophenol	ND	400	68	ug/kg	
108-95-2	Phenol	ND	80	42	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	46	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	38	ug/kg	
83-32-9	Acenaphthene	45100 ^a	800	230	ug/kg	
208-96-8	Acenaphthylene	851 ^a	800	260	ug/kg	
120-12-7	Anthracene	20300 ^a	800	280	ug/kg	
56-55-3	Benzo(a)anthracene	8910 ^a	800	260	ug/kg	
50-32-8	Benzo(a)pyrene	3420	40	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	3170	40	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	2150	40	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	841	40	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	80	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	80	23	ug/kg	
91-58-7	2-Chloronaphthalene	ND	80	12	ug/kg	
106-47-8	4-Chloroaniline	ND	200	13	ug/kg	
86-74-8	Carbazole	2140	80	18	ug/kg	
218-01-9	Chrysene	3840	40	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	80	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	80	12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-3S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-10	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	80	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	80	12	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	80	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	80	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	80	8.9	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	80	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	80	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	200	10	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	780	40	14	ug/kg	
132-64-9	Dibenzofuran	32100 ^a	1600	240	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	80	8.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	80	19	ug/kg	
84-66-2	Diethyl phthalate	ND	80	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	80	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	80	35	ug/kg	
206-44-0	Fluoranthene	30100 ^a	800	350	ug/kg	
86-73-7	Fluorene	31500 ^a	800	260	ug/kg	
118-74-1	Hexachlorobenzene	ND	80	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	40	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	800	41	ug/kg	
67-72-1	Hexachloroethane	ND	200	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	2050	40	14	ug/kg	
78-59-1	Isophorone	ND	80	11	ug/kg	
91-57-6	2-Methylnaphthalene	ND	80	22	ug/kg	
88-74-4	2-Nitroaniline	ND	200	18	ug/kg	
99-09-2	3-Nitroaniline	ND	200	16	ug/kg	
100-01-6	4-Nitroaniline	ND	200	16	ug/kg	
91-20-3	Naphthalene	13000 ^a	800	220	ug/kg	
98-95-3	Nitrobenzene	ND	80	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	80	9.7	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	24	ug/kg	
85-01-8	Phenanthrene	86300 ^b	1600	730	ug/kg	
129-00-0	Pyrene	25400 ^a	800	310	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	80	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	67%	39%	0% ^c	30-109%
4165-62-2	Phenol-d5	64%	42%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	84%	66%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-3S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-10	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	83.0
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	90%	109%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	66%	87%	0% ^c	38-107%
1718-51-0	Terphenyl-d14	91%	83%	0% ^c	31-116%

- (a) Result is from Run# 2
(b) Result is from Run# 3
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-S7	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-11	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C73473.D	50	01/20/10	MAH	n/a	n/a	V1C3196
Run #2	1C73451.D	200	01/20/10	MAH	n/a	n/a	V1C3195

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	140	ug/l	
71-43-2	Benzene	842	50	12	ug/l	
75-27-4	Bromodichloromethane	ND	50	11	ug/l	
75-25-2	Bromoform	ND	200	12	ug/l	
74-83-9	Bromomethane	ND	100	15	ug/l	
78-93-3	2-Butanone (MEK)	ND	500	81	ug/l	
75-15-0	Carbon disulfide	ND	100	37	ug/l	
56-23-5	Carbon tetrachloride	ND	50	13	ug/l	
108-90-7	Chlorobenzene	ND	50	19	ug/l	
75-00-3	Chloroethane	ND	50	19	ug/l	
67-66-3	Chloroform	ND	50	12	ug/l	
74-87-3	Chloromethane	ND	50	14	ug/l	
124-48-1	Dibromochloromethane	ND	50	11	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	14	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	17	ug/l	
75-35-4	1,1-Dichloroethene	ND	50	20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	50	11	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	12	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	50	11	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	12	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	1020	50	13	ug/l	
591-78-6	2-Hexanone	ND	250	70	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	12	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	250	43	ug/l	
75-09-2	Methylene chloride	ND	100	15	ug/l	
100-42-5	Styrene	ND	250	29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	12	ug/l	
127-18-4	Tetrachloroethene	ND	50	13	ug/l	
108-88-3	Toluene	12900 ^a	200	60	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	13	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-S7	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-11	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	50	12	ug/l	
79-01-6	Trichloroethene	ND	50	12	ug/l	
75-01-4	Vinyl chloride	ND	50	22	ug/l	
1330-20-7	Xylene (total)	4100	50	13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	103%	76-120%
17060-07-0	1,2-Dichloroethane-D4	104%	99%	64-135%
2037-26-5	Toluene-D8	105%	106%	76-117%
460-00-4	4-Bromofluorobenzene	100%	105%	72-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID:	PI-24-S7	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-11	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70790.D	1	01/29/10	LP	01/19/10	OP41879	EM2674
Run #2	M70805.D	20	01/29/10	LP	01/19/10	OP41879	EM2675
Run #3	M70837.D	200	01/30/10	LP	01/19/10	OP41879	EM2675

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	50.6	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	31.6	2.0	1.1	ug/l	
	3&4-Methylphenol	59.9	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	287 ^a	20	7.3	ug/l	
208-96-8	Acenaphthylene	11.3	1.0	0.27	ug/l	
120-12-7	Anthracene	54.3	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	6.4	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	3.5	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	2.3	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	1.7	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	3.0	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	252 ^a	40	3.3	ug/l	
218-01-9	Chrysene	5.9	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-S7	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-11	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.64	1.0	0.15	ug/l	J
132-64-9	Dibenzofuran	217 ^a	100	6.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	8.5	2.0	0.33	ug/l	B
206-44-0	Fluoranthene	30.9	1.0	0.17	ug/l	
86-73-7	Fluorene	184 ^a	20	5.3	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	1.5	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	1040 ^a	40	13	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	12300 ^b	200	85	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	224 ^a	20	4.2	ug/l	
129-00-0	Pyrene	24.8	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	55%	68%	0% ^c	13-68%
4165-62-2	Phenol-d5	31%	33%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	94%	101%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-S7		
Lab Sample ID:	JA37789-11	Date Sampled:	01/14/10
Matrix:	AQ - Ground Water	Date Received:	01/15/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	28%	90%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	69%	99%	0% ^c	31-106%
1718-51-0	Terphenyl-d14	57%	72%	0% ^c	14-122%

- (a) Result is from Run# 2
 (b) Result is from Run# 3
 (c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-4S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-12	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	85.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164533.D	1	01/26/10	TDN	n/a	n/a	VD6626
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.5 g	10.0 ml	10.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5900	1300	ug/kg	
71-43-2	Benzene	ND	590	200	ug/kg	
75-27-4	Bromodichloromethane	ND	2900	150	ug/kg	
75-25-2	Bromoform	ND	2900	89	ug/kg	
74-83-9	Bromomethane	ND	2900	240	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5900	1200	ug/kg	
75-15-0	Carbon disulfide	ND	2900	180	ug/kg	
56-23-5	Carbon tetrachloride	ND	2900	330	ug/kg	
108-90-7	Chlorobenzene	ND	2900	200	ug/kg	
75-00-3	Chloroethane	ND	2900	590	ug/kg	
67-66-3	Chloroform	ND	2900	190	ug/kg	
74-87-3	Chloromethane	ND	2900	97	ug/kg	
124-48-1	Dibromochloromethane	ND	2900	65	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2900	81	ug/kg	
107-06-2	1,2-Dichloroethane	ND	590	200	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2900	390	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2900	140	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2900	260	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	2900	140	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2900	76	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2900	78	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2900	56	ug/kg	
100-41-4	Ethylbenzene	270	590	220	ug/kg	J
591-78-6	2-Hexanone	ND	2900	570	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	590	170	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2900	480	ug/kg	
75-09-2	Methylene chloride	ND	2900	130	ug/kg	
100-42-5	Styrene	ND	2900	63	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2900	170	ug/kg	
127-18-4	Tetrachloroethene	ND	2900	85	ug/kg	
108-88-3	Toluene	ND	590	170	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2900	75	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.12

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Client Sample ID:	PI-27-4S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-12	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	85.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2900	110	ug/kg	
79-01-6	Trichloroethene	ND	2900	310	ug/kg	
75-01-4	Vinyl chloride	ND	2900	100	ug/kg	
1330-20-7	Xylene (total)	1670	1200	280	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	106%		65-132%
2037-26-5	Toluene-D8	90%		74-129%
460-00-4	4-Bromofluorobenzene	99%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-4S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-12	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	85.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3E24196.D	1	01/29/10	LP	01/26/10	OP41960	E3E1093
Run #2	3E24213.D	50	01/29/10	OYA	01/26/10	OP41960	E3E1094

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2	30.0 g	10.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1900	390	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	1900	390	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	1900	620	ug/kg	
105-67-9	2,4-Dimethylphenol	1430	1900	650	ug/kg	J
51-28-5	2,4-Dinitrophenol	ND	7800	470	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	7800	470	ug/kg	
95-48-7	2-Methylphenol	ND	780	440	ug/kg	
	3&4-Methylphenol	ND	780	490	ug/kg	
88-75-5	2-Nitrophenol	ND	1900	410	ug/kg	
100-02-7	4-Nitrophenol	ND	3900	660	ug/kg	
87-86-5	Pentachlorophenol	ND	3900	660	ug/kg	
108-95-2	Phenol	ND	780	410	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	1900	450	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	1900	360	ug/kg	
83-32-9	Acenaphthene	77200 ^b	19000	5600	ug/kg	
208-96-8	Acenaphthylene	87100 ^b	19000	6200	ug/kg	
120-12-7	Anthracene	170000 ^b	19000	6800	ug/kg	
56-55-3	Benzo(a)anthracene	130000 ^b	19000	6300	ug/kg	
50-32-8	Benzo(a)pyrene	115000 ^b	19000	5900	ug/kg	
205-99-2	Benzo(b)fluoranthene	170000 ^b	19000	6500	ug/kg	
191-24-2	Benzo(g,h,i)perylene	77400 ^b	19000	7200	ug/kg	
207-08-9	Benzo(k)fluoranthene	53800 ^b	19000	7300	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	780	140	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	780	220	ug/kg	
91-58-7	2-Chloronaphthalene	ND	780	120	ug/kg	
106-47-8	4-Chloroaniline	ND	1900	120	ug/kg	
86-74-8	Carbazole	88300 ^b	39000	9000	ug/kg	
218-01-9	Chrysene	125000 ^b	19000	6600	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	780	160	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	780	120	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	780	120	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	780	120	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID:	PI-27-4S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-12	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	85.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	780	110	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	780	100	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	780	87	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	780	170	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	780	150	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1900	99	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	20100	390	130	ug/kg	
132-64-9	Dibenzofuran	145000 ^b	39000	5800	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	780	86	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	780	190	ug/kg	
84-66-2	Diethyl phthalate	ND	780	130	ug/kg	
131-11-3	Dimethyl phthalate	ND	780	140	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	780	340	ug/kg	
206-44-0	Fluoranthene	410000 ^b	19000	8600	ug/kg	
86-73-7	Fluorene	149000 ^b	19000	6400	ug/kg	
118-74-1	Hexachlorobenzene	ND	780	130	ug/kg	
87-68-3	Hexachlorobutadiene	ND	390	110	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	7800	400	ug/kg	
67-72-1	Hexachloroethane	ND	1900	110	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	63400 ^b	19000	6700	ug/kg	
78-59-1	Isophorone	ND	780	100	ug/kg	
91-57-6	2-Methylnaphthalene	173000 ^b	39000	11000	ug/kg	
88-74-4	2-Nitroaniline	ND	1900	170	ug/kg	
99-09-2	3-Nitroaniline	ND	1900	160	ug/kg	
100-01-6	4-Nitroaniline	ND	1900	150	ug/kg	
91-20-3	Naphthalene	1390000 ^b	19000	5300	ug/kg	
98-95-3	Nitrobenzene	ND	780	110	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	780	95	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1900	230	ug/kg	
85-01-8	Phenanthrene	615000 ^b	19000	8800	ug/kg	
129-00-0	Pyrene	344000 ^b	19000	7500	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	780	100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	66%	0% ^c	30-109%
4165-62-2	Phenol-d5	54%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	69%	0% ^c	28-125%
4165-60-0	Nitrobenzene-d5	113%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	86%	0% ^c	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-4S		
Lab Sample ID:	JA37789-12	Date Sampled:	01/14/10
Matrix:	SO - Soil	Date Received:	01/15/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	85.9
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	86%	0% ^c	31-116%

- (a) Elevated detection limit due to high final volume of viscous extract.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-S8	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-13	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C73475.D	25	01/20/10	MAH	n/a	n/a	V1C3196
Run #2	1C73452.D	100	01/20/10	MAH	n/a	n/a	V1C3195

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	72	ug/l	
71-43-2	Benzene	84.4	25	5.9	ug/l	
75-27-4	Bromodichloromethane	ND	25	5.5	ug/l	
75-25-2	Bromoform	ND	100	5.8	ug/l	
74-83-9	Bromomethane	ND	50	7.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	250	41	ug/l	
75-15-0	Carbon disulfide	ND	50	18	ug/l	
56-23-5	Carbon tetrachloride	ND	25	6.4	ug/l	
108-90-7	Chlorobenzene	ND	25	9.7	ug/l	
75-00-3	Chloroethane	ND	25	9.3	ug/l	
67-66-3	Chloroform	ND	25	5.9	ug/l	
74-87-3	Chloromethane	ND	25	7.2	ug/l	
124-48-1	Dibromochloromethane	ND	25	5.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	25	7.2	ug/l	
107-06-2	1,2-Dichloroethane	ND	25	8.3	ug/l	
75-35-4	1,1-Dichloroethene	ND	25	9.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	25	5.4	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	25	6.2	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	25	5.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	25	6.8	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	6.2	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	5.3	ug/l	
100-41-4	Ethylbenzene	1430	25	6.7	ug/l	
591-78-6	2-Hexanone	ND	130	35	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	25	5.8	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	130	21	ug/l	
75-09-2	Methylene chloride	ND	50	7.6	ug/l	
100-42-5	Styrene	ND	130	14	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	6.0	ug/l	
127-18-4	Tetrachloroethene	ND	25	6.6	ug/l	
108-88-3	Toluene	6120 ^a	100	30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	25	6.4	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-S8	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-13	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	25	5.8	ug/l	
79-01-6	Trichloroethene	ND	25	6.0	ug/l	
75-01-4	Vinyl chloride	ND	25	11	ug/l	
1330-20-7	Xylene (total)	5610	25	6.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	104%	76-120%
17060-07-0	1,2-Dichloroethane-D4	104%	99%	64-135%
2037-26-5	Toluene-D8	104%	105%	76-117%
460-00-4	4-Bromofluorobenzene	100%	103%	72-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-24-S8	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-13	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70791.D	1	01/29/10	LP	01/19/10	OP41879	EM2674
Run #2	M70806.D	10	01/29/10	LP	01/19/10	OP41879	EM2675
Run #3	M70807.D	200	01/29/10	LP	01/19/10	OP41879	EM2675

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	28.7	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	102 ^a	20	11	ug/l	
	3&4-Methylphenol	256 ^a	20	10	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	154 ^a	20	5.8	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	638 ^a	10	3.7	ug/l	
208-96-8	Acenaphthylene	17.6	1.0	0.27	ug/l	
120-12-7	Anthracene	257 ^a	10	1.6	ug/l	
56-55-3	Benzo(a)anthracene	27.5	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	12.4	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	11.2	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	5.4	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	7.6	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	293 ^a	20	1.7	ug/l	
218-01-9	Chrysene	25.3	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-S8	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-13	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	2.3	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	540 ^a	50	3.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.4	2.0	0.33	ug/l	B
206-44-0	Fluoranthene	191 ^a	10	1.7	ug/l	
86-73-7	Fluorene	524 ^a	10	2.7	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	5.0	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	1990 ^b	400	130	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	13500 ^b	200	85	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	826 ^a	10	2.1	ug/l	
129-00-0	Pyrene	133 ^a	10	1.6	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	85% ^c	99% ^c	0% ^d	13-68%
4165-62-2	Phenol-d5	29%	29%	0% ^d	10-49%
118-79-6	2,4,6-Tribromophenol	82%	86%	0% ^d	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-24-S8		
Lab Sample ID:	JA37789-13	Date Sampled:	01/14/10
Matrix:	AQ - Ground Water	Date Received:	01/15/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	26%	68%	0% ^d	25-112%
321-60-8	2-Fluorobiphenyl	62%	86%	0% ^d	31-106%
1718-51-0	Terphenyl-d14	75%	81%	0% ^d	14-122%

- (a) Result is from Run# 2
 (b) Result is from Run# 3
 (c) Outside of in house control limits, but within reasonable method recovery limits.
 (d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-27-5S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-14	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	84.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164530.D	1	01/26/10	TDN	n/a	n/a	VD6626
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.0 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	630	140	ug/kg	
71-43-2	Benzene	163	63	22	ug/kg	
75-27-4	Bromodichloromethane	ND	320	16	ug/kg	
75-25-2	Bromoform	ND	320	9.6	ug/kg	
74-83-9	Bromomethane	ND	320	26	ug/kg	
78-93-3	2-Butanone (MEK)	ND	630	120	ug/kg	
75-15-0	Carbon disulfide	ND	320	19	ug/kg	
56-23-5	Carbon tetrachloride	ND	320	35	ug/kg	
108-90-7	Chlorobenzene	ND	320	21	ug/kg	
75-00-3	Chloroethane	ND	320	63	ug/kg	
67-66-3	Chloroform	ND	320	20	ug/kg	
74-87-3	Chloromethane	ND	320	10	ug/kg	
124-48-1	Dibromochloromethane	ND	320	7.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	320	8.7	ug/kg	
107-06-2	1,2-Dichloroethane	ND	63	22	ug/kg	
75-35-4	1,1-Dichloroethene	ND	320	42	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	320	15	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	320	28	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	320	15	ug/kg	
78-87-5	1,2-Dichloropropane	ND	320	8.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	320	8.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	320	6.1	ug/kg	
100-41-4	Ethylbenzene	210	63	24	ug/kg	
591-78-6	2-Hexanone	ND	320	61	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	63	18	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	320	51	ug/kg	
75-09-2	Methylene chloride	ND	320	14	ug/kg	
100-42-5	Styrene	ND	320	6.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	320	19	ug/kg	
127-18-4	Tetrachloroethene	ND	320	9.2	ug/kg	
108-88-3	Toluene	291	63	19	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	320	8.1	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID:	PI-27-5S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-14	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	84.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	320	12	ug/kg	
79-01-6	Trichloroethene	ND	320	33	ug/kg	
75-01-4	Vinyl chloride	ND	320	11	ug/kg	
1330-20-7	Xylene (total)	1370	130	30	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	105%		65-132%
2037-26-5	Toluene-D8	88%		74-129%
460-00-4	4-Bromofluorobenzene	97%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-27-5S		
Lab Sample ID:	JA37789-14	Date Sampled:	01/14/10
Matrix:	SO - Soil	Date Received:	01/15/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	84.2
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E24197.D	1	01/29/10	LP	01/26/10	OP41960	E3E1093
Run #2	3E24219.D	5	01/29/10	OYA	01/26/10	OP41960	E3E1094

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2	30.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	200	40	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	63	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	66	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	790	48	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	790	48	ug/kg	
95-48-7	2-Methylphenol	ND	79	45	ug/kg	
	3&4-Methylphenol	ND	79	50	ug/kg	
88-75-5	2-Nitrophenol	ND	200	42	ug/kg	
100-02-7	4-Nitrophenol	ND	390	66	ug/kg	
87-86-5	Pentachlorophenol	ND	390	67	ug/kg	
108-95-2	Phenol	ND	79	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	46	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	37	ug/kg	
83-32-9	Acenaphthene	9060 ^a	200	57	ug/kg	
208-96-8	Acenaphthylene	276	39	13	ug/kg	
120-12-7	Anthracene	5870 ^a	200	69	ug/kg	
56-55-3	Benzo(a)anthracene	3140	39	13	ug/kg	
50-32-8	Benzo(a)pyrene	1590	39	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	1710	39	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	774	39	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	804	39	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	79	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	79	23	ug/kg	
91-58-7	2-Chloronaphthalene	ND	79	12	ug/kg	
106-47-8	4-Chloroaniline	ND	200	13	ug/kg	
86-74-8	Carbazole	692	79	18	ug/kg	
218-01-9	Chrysene	2700	39	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	79	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	79	12	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	79	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	79	12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-5S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-14	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	84.2
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	79	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	79	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	79	8.8	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	79	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	79	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	200	10	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	333	39	13	ug/kg	
132-64-9	Dibenzofuran	7940 ^a	390	58	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	79	8.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	79	19	ug/kg	
84-66-2	Diethyl phthalate	ND	79	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	79	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	79	35	ug/kg	
206-44-0	Fluoranthene	9440 ^a	200	87	ug/kg	
86-73-7	Fluorene	6830 ^a	200	64	ug/kg	
118-74-1	Hexachlorobenzene	ND	79	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	790	40	ug/kg	
67-72-1	Hexachloroethane	ND	200	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	797	39	14	ug/kg	
78-59-1	Isophorone	ND	79	11	ug/kg	
91-57-6	2-Methylnaphthalene	139	79	22	ug/kg	
88-74-4	2-Nitroaniline	ND	200	17	ug/kg	
99-09-2	3-Nitroaniline	ND	200	16	ug/kg	
100-01-6	4-Nitroaniline	ND	200	15	ug/kg	
91-20-3	Naphthalene	1330	39	11	ug/kg	
98-95-3	Nitrobenzene	ND	79	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	79	9.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	23	ug/kg	
85-01-8	Phenanthrene	2870	39	18	ug/kg	
129-00-0	Pyrene	8950 ^a	200	76	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	79	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	71%	72%	30-109%
4165-62-2	Phenol-d5	65%	73%	28-108%
118-79-6	2,4,6-Tribromophenol	80%	86%	28-125%
4165-60-0	Nitrobenzene-d5	82%	66%	28-113%
321-60-8	2-Fluorobiphenyl	85%	88%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-5S		
Lab Sample ID:	JA37789-14	Date Sampled:	01/14/10
Matrix:	SO - Soil	Date Received:	01/15/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	84.2
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	105%	91%	31-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-6S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-15	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	87.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V99205.D	1	01/26/10	JLI	n/a	n/a	VV4138
Run #2							

	Initial Weight
Run #1	4.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	2.9	ug/kg	
71-43-2	Benzene	ND	1.3	0.44	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	0.33	ug/kg	
75-25-2	Bromoform	ND	6.5	0.20	ug/kg	
74-83-9	Bromomethane	ND	6.5	0.52	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.6	ug/kg	
75-15-0	Carbon disulfide	ND	6.5	0.40	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	0.72	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	0.44	ug/kg	
75-00-3	Chloroethane	ND	6.5	1.3	ug/kg	
67-66-3	Chloroform	ND	6.5	0.41	ug/kg	
74-87-3	Chloromethane	ND	6.5	0.21	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	0.14	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	0.18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.45	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.5	0.86	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.5	0.31	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.5	0.58	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6.5	0.31	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	0.17	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	0.12	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.48	ug/kg	
591-78-6	2-Hexanone	ND	6.5	1.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.37	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.5	1.1	ug/kg	
75-09-2	Methylene chloride	ND	6.5	0.29	ug/kg	
100-42-5	Styrene	ND	6.5	0.14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	0.38	ug/kg	
127-18-4	Tetrachloroethene	2.8	6.5	0.19	ug/kg	J
108-88-3	Toluene	ND	1.3	0.38	ug/kg	
71-55-6	1,1,1-Trichloroethane	4.8	6.5	0.17	ug/kg	J

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.15

3

Client Sample ID:	PI-27-6S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-15	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	87.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	6.5	0.24	ug/kg	
79-01-6	Trichloroethene	ND	6.5	0.68	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	0.23	ug/kg	
1330-20-7	Xylene (total)	ND	2.6	0.61	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		67-127%
17060-07-0	1,2-Dichloroethane-D4	82%		65-132%
2037-26-5	Toluene-D8	101%		74-129%
460-00-4	4-Bromofluorobenzene	75%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-27-6S		
Lab Sample ID:	JA37789-15	Date Sampled:	01/14/10
Matrix:	SO - Soil	Date Received:	01/15/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	87.6
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3E24198.D	1	01/29/10	LP	01/26/10	OP41960	E3E1093
Run #2	3E24222.D	2	01/29/10	OYA	01/26/10	OP41960	E3E1094

	Initial Weight	Final Volume
Run #1	30.4 g	10.0 ml
Run #2	30.4 g	10.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1900	380	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	1900	380	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	1900	600	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	1900	630	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	7500	460	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	7500	460	ug/kg	
95-48-7	2-Methylphenol	ND	750	430	ug/kg	
	3&4-Methylphenol	ND	750	480	ug/kg	
88-75-5	2-Nitrophenol	ND	1900	400	ug/kg	
100-02-7	4-Nitrophenol	ND	3800	630	ug/kg	
87-86-5	Pentachlorophenol	ND	3800	640	ug/kg	
108-95-2	Phenol	ND	750	390	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	1900	440	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	1900	350	ug/kg	
83-32-9	Acenaphthene	2750	380	110	ug/kg	
208-96-8	Acenaphthylene	925	380	120	ug/kg	
120-12-7	Anthracene	5950	380	130	ug/kg	
56-55-3	Benzo(a)anthracene	26900	380	120	ug/kg	
50-32-8	Benzo(a)pyrene	30500	380	110	ug/kg	
205-99-2	Benzo(b)fluoranthene	31900	380	130	ug/kg	
191-24-2	Benzo(g,h,i)perylene	33600	380	140	ug/kg	
207-08-9	Benzo(k)fluoranthene	9830	380	140	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	750	140	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	750	220	ug/kg	
91-58-7	2-Chloronaphthalene	ND	750	120	ug/kg	
106-47-8	4-Chloroaniline	ND	1900	120	ug/kg	
86-74-8	Carbazole	2060	750	170	ug/kg	
218-01-9	Chrysene	27200	380	130	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	750	150	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	750	110	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	750	110	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	750	110	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-6S	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-15	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	87.6
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	750	110	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	750	100	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	750	84	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	750	160	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	750	140	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1900	95	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	9820	380	130	ug/kg	
132-64-9	Dibenzofuran	1490	750	110	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	750	83	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	750	180	ug/kg	
84-66-2	Diethyl phthalate	ND	750	130	ug/kg	
131-11-3	Dimethyl phthalate	ND	750	130	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	750	330	ug/kg	
206-44-0	Fluoranthene	57300 ^b	750	330	ug/kg	
86-73-7	Fluorene	1530	380	120	ug/kg	
118-74-1	Hexachlorobenzene	ND	750	120	ug/kg	
87-68-3	Hexachlorobutadiene	ND	380	100	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	7500	380	ug/kg	
67-72-1	Hexachloroethane	ND	1900	100	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	24600	380	130	ug/kg	
78-59-1	Isophorone	ND	750	100	ug/kg	
91-57-6	2-Methylnaphthalene	455	750	210	ug/kg	J
88-74-4	2-Nitroaniline	ND	1900	170	ug/kg	
99-09-2	3-Nitroaniline	ND	1900	150	ug/kg	
100-01-6	4-Nitroaniline	ND	1900	150	ug/kg	
91-20-3	Naphthalene	1460	380	100	ug/kg	
98-95-3	Nitrobenzene	ND	750	110	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	750	92	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1900	220	ug/kg	
85-01-8	Phenanthrene	22600	380	170	ug/kg	
129-00-0	Pyrene	52000 ^b	750	290	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	750	100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%	52%	30-109%
4165-62-2	Phenol-d5	67%	67%	28-108%
118-79-6	2,4,6-Tribromophenol	70%	71%	28-125%
4165-60-0	Nitrobenzene-d5	73%	85%	28-113%
321-60-8	2-Fluorobiphenyl	79%	83%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-6S		
Lab Sample ID:	JA37789-15	Date Sampled:	01/14/10
Matrix:	SO - Soil	Date Received:	01/15/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	87.6
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	84%	82%	31-116%

- (a) Elevated detection limit due to high final volume of viscous extract.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-7S	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-16	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	65.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164531.D	1	01/26/10	TDN	n/a	n/a	VD6626
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.9 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	970	220	ug/kg	
71-43-2	Benzene	110	97	33	ug/kg	
75-27-4	Bromodichloromethane	ND	490	25	ug/kg	
75-25-2	Bromoform	ND	490	15	ug/kg	
74-83-9	Bromomethane	ND	490	39	ug/kg	
78-93-3	2-Butanone (MEK)	ND	970	190	ug/kg	
75-15-0	Carbon disulfide	ND	490	30	ug/kg	
56-23-5	Carbon tetrachloride	ND	490	54	ug/kg	
108-90-7	Chlorobenzene	ND	490	33	ug/kg	
75-00-3	Chloroethane	ND	490	97	ug/kg	
67-66-3	Chloroform	ND	490	31	ug/kg	
74-87-3	Chloromethane	ND	490	16	ug/kg	
124-48-1	Dibromochloromethane	ND	490	11	ug/kg	
75-34-3	1,1-Dichloroethane	ND	490	13	ug/kg	
107-06-2	1,2-Dichloroethane	ND	97	34	ug/kg	
75-35-4	1,1-Dichloroethene	ND	490	64	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	490	23	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	490	44	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	490	23	ug/kg	
78-87-5	1,2-Dichloropropane	ND	490	13	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	490	13	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	490	9.3	ug/kg	
100-41-4	Ethylbenzene	58.9	97	36	ug/kg	J
591-78-6	2-Hexanone	ND	490	94	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	97	27	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	490	79	ug/kg	
75-09-2	Methylene chloride	ND	490	22	ug/kg	
100-42-5	Styrene	ND	490	10	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	490	28	ug/kg	
127-18-4	Tetrachloroethene	ND	490	14	ug/kg	
108-88-3	Toluene	ND	97	28	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	490	12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-7S	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-16	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	65.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	490	18	ug/kg	
79-01-6	Trichloroethene	ND	490	51	ug/kg	
75-01-4	Vinyl chloride	ND	490	17	ug/kg	
1330-20-7	Xylene (total)	60.1	190	46	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		67-127%
17060-07-0	1,2-Dichloroethane-D4	104%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	96%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-7S		
Lab Sample ID:	JA37789-16	Date Sampled:	01/15/10
Matrix:	SO - Soil	Date Received:	01/15/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	65.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3E24199.D	1	01/29/10	LP	01/26/10	OP41960	E3E1093
Run #2	3E24220.D	10	01/29/10	OYA	01/26/10	OP41960	E3E1094
Run #3 ^b	3E24248.D	5	02/01/10	OYA	01/30/10	OP42050	E3E1095

	Initial Weight	Final Volume
Run #1	30.2 g	10.0 ml
Run #2	30.2 g	10.0 ml
Run #3	33.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	2500	510	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	2500	510	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	2500	820	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	2500	850	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	10000	620	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	10000	620	ug/kg	
95-48-7	2-Methylphenol	ND	1000	580	ug/kg	
	3&4-Methylphenol	ND	1000	650	ug/kg	
88-75-5	2-Nitrophenol	ND	2500	540	ug/kg	
100-02-7	4-Nitrophenol	ND	5100	860	ug/kg	
87-86-5	Pentachlorophenol	ND	5100	870	ug/kg	
108-95-2	Phenol	ND	1000	530	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	2500	590	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	2500	480	ug/kg	
83-32-9	Acenaphthene	98400 ^c	5100	1500	ug/kg	
208-96-8	Acenaphthylene	2980	510	160	ug/kg	
120-12-7	Anthracene	50500	510	180	ug/kg	
56-55-3	Benzo(a)anthracene	22100	510	170	ug/kg	
50-32-8	Benzo(a)pyrene	9790	510	160	ug/kg	
205-99-2	Benzo(b)fluoranthene	12200	510	170	ug/kg	
191-24-2	Benzo(g,h,i)perylene	4570	510	190	ug/kg	
207-08-9	Benzo(k)fluoranthene	5540	510	190	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	1000	180	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	1000	290	ug/kg	
91-58-7	2-Chloronaphthalene	ND	1000	160	ug/kg	
106-47-8	4-Chloroaniline	ND	2500	160	ug/kg	
86-74-8	Carbazole	16900	1000	240	ug/kg	
218-01-9	Chrysene	19200	510	170	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	1000	210	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	1000	150	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-7S	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-16	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	65.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	1000	150	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	1000	150	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1000	150	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1000	140	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1000	110	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	1000	220	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	1000	190	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	2500	130	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1760	510	170	ug/kg	
132-64-9	Dibenzofuran	74300 ^c	10000	1500	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	1000	110	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	1000	250	ug/kg	
84-66-2	Diethyl phthalate	ND	1000	170	ug/kg	
131-11-3	Dimethyl phthalate	ND	1000	180	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	1000	450	ug/kg	
206-44-0	Fluoranthene	71500 ^c	5100	2200	ug/kg	
86-73-7	Fluorene	89500 ^c	5100	1700	ug/kg	
118-74-1	Hexachlorobenzene	ND	1000	170	ug/kg	
87-68-3	Hexachlorobutadiene	ND	510	140	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	10000	520	ug/kg	
67-72-1	Hexachloroethane	ND	2500	140	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	4380	510	180	ug/kg	
78-59-1	Isophorone	ND	1000	140	ug/kg	
91-57-6	2-Methylnaphthalene	179000 ^c	10000	2800	ug/kg	
88-74-4	2-Nitroaniline	ND	2500	220	ug/kg	
99-09-2	3-Nitroaniline	ND	2500	200	ug/kg	
100-01-6	4-Nitroaniline	ND	2500	200	ug/kg	
91-20-3	Naphthalene	23700	510	140	ug/kg	
98-95-3	Nitrobenzene	ND	1000	150	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	1000	120	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	2500	300	ug/kg	
85-01-8	Phenanthrene	202000 ^c	5100	2300	ug/kg	
129-00-0	Pyrene	69500 ^c	5100	2000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	1000	140	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	58%	0% ^e	27% ^d	30-109%
4165-62-2	Phenol-d5	0% ^f	0% ^e	1% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	72%	0% ^e	51%	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-7S		
Lab Sample ID:	JA37789-16	Date Sampled:	01/15/10
Matrix:	SO - Soil	Date Received:	01/15/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	65.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	78%	99%	81%	28-113%
321-60-8	2-Fluorobiphenyl	94%	101%	63%	38-107%
1718-51-0	Terphenyl-d14	99%	97%	73%	31-116%

- (a) Elevated detection limit due to high final volume of viscous extract.
 (b) Confirmation run for surrogate recoveries.
 (c) Result is from Run# 2
 (d) Outside control limits due to matrix interference.
 (e) Outside control limits due to dilution.
 (f) Outside control limits due to matrix interference. Confirmed by re-extraction.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-S1	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-17	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C73474.D	100	01/20/10	MAH	n/a	n/a	V1C3196
Run #2	1C73453.D	250	01/20/10	MAH	n/a	n/a	V1C3195

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1000	290	ug/l	
71-43-2	Benzene	1940	100	23	ug/l	
75-27-4	Bromodichloromethane	ND	100	22	ug/l	
75-25-2	Bromoform	ND	400	23	ug/l	
74-83-9	Bromomethane	ND	200	30	ug/l	
78-93-3	2-Butanone (MEK)	ND	1000	160	ug/l	
75-15-0	Carbon disulfide	ND	200	74	ug/l	
56-23-5	Carbon tetrachloride	ND	100	26	ug/l	
108-90-7	Chlorobenzene	ND	100	39	ug/l	
75-00-3	Chloroethane	ND	100	37	ug/l	
67-66-3	Chloroform	ND	100	23	ug/l	
74-87-3	Chloromethane	ND	100	29	ug/l	
124-48-1	Dibromochloromethane	ND	100	22	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	29	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	33	ug/l	
75-35-4	1,1-Dichloroethene	ND	100	40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	100	22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	100	25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	100	22	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	1240	100	27	ug/l	
591-78-6	2-Hexanone	ND	500	140	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	100	23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	500	86	ug/l	
75-09-2	Methylene chloride	ND	200	30	ug/l	
100-42-5	Styrene	ND	500	58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	24	ug/l	
127-18-4	Tetrachloroethene	ND	100	27	ug/l	
108-88-3	Toluene	21600 ^a	250	75	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-S1	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-17	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	100	23	ug/l	
79-01-6	Trichloroethene	ND	100	24	ug/l	
75-01-4	Vinyl chloride	ND	100	44	ug/l	
1330-20-7	Xylene (total)	5370	100	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	104%	76-120%
17060-07-0	1,2-Dichloroethane-D4	103%	100%	64-135%
2037-26-5	Toluene-D8	105%	105%	76-117%
460-00-4	4-Bromofluorobenzene	100%	102%	72-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-S1	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-17	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70792.D	1	01/29/10	LP	01/19/10	OP41879	EM2674
Run #2	M70813.D	20	01/30/10	LP	01/19/10	OP41879	EM2675
Run #3	M70838.D	200	01/30/10	LP	01/19/10	OP41879	EM2675

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	57.9	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	85.8	2.0	1.1	ug/l	
	3&4-Methylphenol	80.3	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	212 ^a	20	7.3	ug/l	
208-96-8	Acenaphthylene	16.2	1.0	0.27	ug/l	
120-12-7	Anthracene	32.6	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	6.7	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	4.4	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	2.8	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	2.4	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	3.8	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	241 ^a	40	3.3	ug/l	
218-01-9	Chrysene	6.2	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-S1	Date Sampled:	01/14/10
Lab Sample ID:	JA37789-17	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.87	1.0	0.15	ug/l	J
132-64-9	Dibenzofuran	171 ^a	100	6.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.6	2.0	0.33	ug/l	B
206-44-0	Fluoranthene	26.2	1.0	0.17	ug/l	
86-73-7	Fluorene	133 ^a	20	5.3	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	835 ^a	40	13	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	12500 ^b	200	85	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	161 ^a	20	4.2	ug/l	
129-00-0	Pyrene	21.1	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	66%	79% ^c	0% ^d	13-68%
4165-62-2	Phenol-d5	21%	24%	0% ^d	10-49%
118-79-6	2,4,6-Tribromophenol	94%	105%	0% ^d	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-S1			Date Sampled:	01/14/10
Lab Sample ID:	JA37789-17			Date Received:	01/15/10
Matrix:	AQ - Ground Water			Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C				
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY				

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	22% ^e	92%	0% ^d	25-112%
321-60-8	2-Fluorobiphenyl	77%	102%	0% ^d	31-106%
1718-51-0	Terphenyl-d14	79%	96%	0% ^d	14-122%

- (a) Result is from Run# 2
 (b) Result is from Run# 3
 (c) Outside of in house control limits due to dilution, but within reasonable method recovery limits.
 (d) Outside control limits due to dilution.
 (e) Outside control limits due to matrix interference with corresponding I.S.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-27-8S	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-18	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	80.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164536.D	1	01/26/10	TDN	n/a	n/a	VD6626
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.5 g	10.0 ml	4.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	16000	3700	ug/kg	J
71-43-2	Benzene	1010	1600	560	ug/kg	
75-27-4	Bromodichloromethane	ND	8200	420	ug/kg	
75-25-2	Bromoform	ND	8200	250	ug/kg	
74-83-9	Bromomethane	ND	8200	660	ug/kg	
78-93-3	2-Butanone (MEK)	ND	16000	3200	ug/kg	
75-15-0	Carbon disulfide	ND	8200	500	ug/kg	
56-23-5	Carbon tetrachloride	ND	8200	910	ug/kg	
108-90-7	Chlorobenzene	ND	8200	560	ug/kg	
75-00-3	Chloroethane	ND	8200	1600	ug/kg	
67-66-3	Chloroform	ND	8200	520	ug/kg	
74-87-3	Chloromethane	ND	8200	270	ug/kg	
124-48-1	Dibromochloromethane	ND	8200	180	ug/kg	
75-34-3	1,1-Dichloroethane	ND	8200	230	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1600	570	ug/kg	
75-35-4	1,1-Dichloroethene	ND	8200	1100	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	8200	390	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	8200	740	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	8200	390	ug/kg	
78-87-5	1,2-Dichloropropane	ND	8200	210	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	8200	220	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	8200	160	ug/kg	
100-41-4	Ethylbenzene	37500	1600	610	ug/kg	
591-78-6	2-Hexanone	ND	8200	1600	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1600	460	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	8200	1300	ug/kg	
75-09-2	Methylene chloride	ND	8200	370	ug/kg	
100-42-5	Styrene	ND	8200	180	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	8200	480	ug/kg	
127-18-4	Tetrachloroethene	ND	8200	240	ug/kg	
108-88-3	Toluene	130000	1600	480	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	8200	210	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-8S	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-18	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	80.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	8200	300	ug/kg	
79-01-6	Trichloroethene	ND	8200	860	ug/kg	
75-01-4	Vinyl chloride	ND	8200	290	ug/kg	
1330-20-7	Xylene (total)	218000	3300	770	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	106%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	93%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-8S	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-18	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	80.8
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E24200.D	1	01/29/10	LP	01/26/10	OP41960	E3E1093
Run #2	3E24221.D	20	01/29/10	OYA	01/26/10	OP41960	E3E1094

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2	30.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	200	41	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	41	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	66	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	69	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	820	50	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	820	50	ug/kg	
95-48-7	2-Methylphenol	ND	82	47	ug/kg	
	3&4-Methylphenol	ND	82	52	ug/kg	
88-75-5	2-Nitrophenol	ND	200	43	ug/kg	
100-02-7	4-Nitrophenol	ND	410	69	ug/kg	
87-86-5	Pentachlorophenol	ND	410	70	ug/kg	
108-95-2	Phenol	ND	82	43	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	48	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	39	ug/kg	
83-32-9	Acenaphthene	6470 ^a	820	240	ug/kg	
208-96-8	Acenaphthylene	1100	41	13	ug/kg	
120-12-7	Anthracene	3400	41	14	ug/kg	
56-55-3	Benzo(a)anthracene	1110	41	13	ug/kg	
50-32-8	Benzo(a)pyrene	543	41	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	820	41	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	291	41	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	225	41	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	82	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	82	24	ug/kg	
91-58-7	2-Chloronaphthalene	ND	82	13	ug/kg	
106-47-8	4-Chloroaniline	ND	200	13	ug/kg	
86-74-8	Carbazole	1500	82	19	ug/kg	
218-01-9	Chrysene	871	41	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	82	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	82	12	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	82	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	82	12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-8S	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-18	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	80.8
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	82	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	82	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	82	9.1	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	82	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	82	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	200	10	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	108	41	14	ug/kg	
132-64-9	Dibenzofuran	6090 ^a	1600	240	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	82	9.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	82	20	ug/kg	
84-66-2	Diethyl phthalate	ND	82	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	82	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	63.9	82	36	ug/kg	J
206-44-0	Fluoranthene	5340 ^a	820	360	ug/kg	
86-73-7	Fluorene	6000 ^a	820	270	ug/kg	
118-74-1	Hexachlorobenzene	ND	82	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	41	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	820	42	ug/kg	
67-72-1	Hexachloroethane	ND	200	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	281	41	14	ug/kg	
78-59-1	Isophorone	ND	82	11	ug/kg	
91-57-6	2-Methylnaphthalene	14000 ^a	1600	460	ug/kg	
88-74-4	2-Nitroaniline	ND	200	18	ug/kg	
99-09-2	3-Nitroaniline	ND	200	16	ug/kg	
100-01-6	4-Nitroaniline	ND	200	16	ug/kg	
91-20-3	Naphthalene	61700 ^a	820	220	ug/kg	
98-95-3	Nitrobenzene	ND	82	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	82	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	24	ug/kg	
85-01-8	Phenanthrene	14800 ^a	820	370	ug/kg	
129-00-0	Pyrene	3560	41	16	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	82	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	59%	46%	30-109%
4165-62-2	Phenol-d5	64%	30%	28-108%
118-79-6	2,4,6-Tribromophenol	82%	72%	28-125%
4165-60-0	Nitrobenzene-d5	65%	76%	28-113%
321-60-8	2-Fluorobiphenyl	82%	93%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-8S		
Lab Sample ID:	JA37789-18	Date Sampled:	01/15/10
Matrix:	SO - Soil	Date Received:	01/15/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	80.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	96%	105%	31-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-S2	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-19	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C73454.D	10	01/20/10	MAH	n/a	n/a	V1C3195
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	29	ug/l	
71-43-2	Benzene	36.0	10	2.3	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.2	ug/l	
75-25-2	Bromoform	ND	40	2.3	ug/l	
74-83-9	Bromomethane	ND	20	3.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	16	ug/l	
75-15-0	Carbon disulfide	ND	20	7.4	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.6	ug/l	
108-90-7	Chlorobenzene	ND	10	3.9	ug/l	
75-00-3	Chloroethane	ND	10	3.7	ug/l	
67-66-3	Chloroform	ND	10	2.3	ug/l	
74-87-3	Chloromethane	ND	10	2.9	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.9	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.3	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	2.5	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	10	2.2	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.7	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	835	10	2.7	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	8.6	ug/l	
75-09-2	Methylene chloride	ND	20	3.0	ug/l	
100-42-5	Styrene	ND	50	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.4	ug/l	
127-18-4	Tetrachloroethene	ND	10	2.7	ug/l	
108-88-3	Toluene	716	10	3.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.6	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-S2	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-19	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	10	2.3	ug/l	
79-01-6	Trichloroethene	ND	10	2.4	ug/l	
75-01-4	Vinyl chloride	ND	10	4.4	ug/l	
1330-20-7	Xylene (total)	3800	10	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		76-120%
17060-07-0	1,2-Dichloroethane-D4	104%		64-135%
2037-26-5	Toluene-D8	107%		76-117%
460-00-4	4-Bromofluorobenzene	106%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-S2	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-19	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70793.D	1	01/29/10	LP	01/19/10	OP41879	EM2674
Run #2	M70814.D	20	01/30/10	LP	01/19/10	OP41879	EM2675
Run #3	M70839.D	1000	01/30/10	LP	01/19/10	OP41879	EM2675

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	5.8	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	3.6	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	260 ^a	20	7.3	ug/l	
208-96-8	Acenaphthylene	8.6	1.0	0.27	ug/l	
120-12-7	Anthracene	46.2	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	14.9	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	11.2	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	8.7	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	6.0	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	5.7	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	169 ^a	40	3.3	ug/l	
218-01-9	Chrysene	13.8	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-S2	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-19	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	1.9	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	208 ^a	100	6.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	4.5	2.0	0.33	ug/l	B
206-44-0	Fluoranthene	53.4	1.0	0.17	ug/l	
86-73-7	Fluorene	156 ^a	20	5.3	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	5.1	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	739 ^a	40	13	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	12200 ^b	1000	430	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	305 ^a	20	4.2	ug/l	
129-00-0	Pyrene	47.5	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	55%	22%	0% ^c	13-68%
4165-62-2	Phenol-d5	18%	24%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	70%	97%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	PI-27-S2	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-19	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	40%	90%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	78%	107% ^d	0% ^c	31-106%
1718-51-0	Terphenyl-d14	70%	103%	0% ^c	14-122%

(a) Result is from Run# 2

(b) Result is from Run# 3

(c) Outside control limits due to dilution.

(d) Outside of in house control limits due to dilution, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-1D	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-20	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	80.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164537.D	1	01/26/10	TDN	n/a	n/a	VD6626
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.4 g	10.0 ml	4.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	18000	4000	ug/kg	J
71-43-2	Benzene	808	1800	610	ug/kg	
75-27-4	Bromodichloromethane	ND	9000	460	ug/kg	
75-25-2	Bromoform	ND	9000	270	ug/kg	
74-83-9	Bromomethane	ND	9000	720	ug/kg	
78-93-3	2-Butanone (MEK)	ND	18000	3500	ug/kg	
75-15-0	Carbon disulfide	ND	9000	550	ug/kg	
56-23-5	Carbon tetrachloride	ND	9000	990	ug/kg	
108-90-7	Chlorobenzene	ND	9000	610	ug/kg	
75-00-3	Chloroethane	ND	9000	1800	ug/kg	
67-66-3	Chloroform	ND	9000	570	ug/kg	
74-87-3	Chloromethane	ND	9000	300	ug/kg	
124-48-1	Dibromochloromethane	ND	9000	200	ug/kg	
75-34-3	1,1-Dichloroethane	ND	9000	250	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1800	620	ug/kg	
75-35-4	1,1-Dichloroethene	ND	9000	1200	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	9000	430	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	9000	800	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	9000	430	ug/kg	
78-87-5	1,2-Dichloropropane	ND	9000	230	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	9000	240	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	9000	170	ug/kg	
100-41-4	Ethylbenzene	19900	1800	660	ug/kg	
591-78-6	2-Hexanone	ND	9000	1700	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1800	510	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	9000	1500	ug/kg	
75-09-2	Methylene chloride	ND	9000	400	ug/kg	
100-42-5	Styrene	ND	9000	190	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	9000	530	ug/kg	
127-18-4	Tetrachloroethene	ND	9000	260	ug/kg	
108-88-3	Toluene	33000	1800	520	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	9000	230	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-1D	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-20	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	80.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	9000	330	ug/kg	
79-01-6	Trichloroethene	ND	9000	940	ug/kg	
75-01-4	Vinyl chloride	ND	9000	320	ug/kg	
1330-20-7	Xylene (total)	99100	3600	840	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		67-127%
17060-07-0	1,2-Dichloroethane-D4	106%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	91%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: PI-27-1D
Lab Sample ID: JA37789-20
Matrix: SO - Soil
Method: SW846 8270C SW846 3550B
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 01/15/10

Date Received: 01/15/10

Percent Solids: 80.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E24201.D	1	01/29/10	LP	01/26/10	OP41960	E3E1093
Run #2	3E24224.D	10	01/29/10	OYA	01/26/10	OP41960	E3E1094
Run #3	3E24214.D	500	01/29/10	OYA	01/26/10	OP41960	E3E1094

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2	30.0 g	1.0 ml
Run #3	30.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	210	42	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	41	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	67	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	69	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	50	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	830	50	ug/kg	
95-48-7	2-Methylphenol	ND	83	47	ug/kg	
	3&4-Methylphenol	ND	83	53	ug/kg	
88-75-5	2-Nitrophenol	ND	210	44	ug/kg	
100-02-7	4-Nitrophenol	ND	410	70	ug/kg	
87-86-5	Pentachlorophenol	ND	410	71	ug/kg	
108-95-2	Phenol	ND	83	43	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	48	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	39	ug/kg	
83-32-9	Acenaphthene	62100 ^a	21000	6000	ug/kg	
208-96-8	Acenaphthylene	5790 ^b	410	130	ug/kg	
120-12-7	Anthracene	32400 ^b	410	140	ug/kg	
56-55-3	Benzo(a)anthracene	9120 ^b	410	130	ug/kg	
50-32-8	Benzo(a)pyrene	4010	41	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	3760	41	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1730	41	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	1450	41	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	83	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	83	24	ug/kg	
91-58-7	2-Chloronaphthalene	ND	83	13	ug/kg	
106-47-8	4-Chloroaniline	ND	210	13	ug/kg	
86-74-8	Carbazole	11700 ^b	830	190	ug/kg	
218-01-9	Chrysene	6960 ^b	410	140	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	83	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	83	12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-1D	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-20	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	80.6
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	83	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	83	12	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	83	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	83	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	83	9.2	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	83	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	83	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	210	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	662	41	14	ug/kg	
132-64-9	Dibenzofuran	48400 ^a	41000	6100	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	83	9.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	83	20	ug/kg	
84-66-2	Diethyl phthalate	ND	83	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	83	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	83	37	ug/kg	
206-44-0	Fluoranthene	36900 ^a	21000	9100	ug/kg	
86-73-7	Fluorene	49500 ^a	21000	6800	ug/kg	
118-74-1	Hexachlorobenzene	ND	83	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	41	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	830	42	ug/kg	
67-72-1	Hexachloroethane	ND	210	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1840	41	14	ug/kg	
78-59-1	Isophorone	ND	83	11	ug/kg	
91-57-6	2-Methylnaphthalene	126000 ^a	41000	12000	ug/kg	
88-74-4	2-Nitroaniline	ND	210	18	ug/kg	
99-09-2	3-Nitroaniline	ND	210	17	ug/kg	
100-01-6	4-Nitroaniline	ND	210	16	ug/kg	
91-20-3	Naphthalene	1120000 ^a	21000	5600	ug/kg	
98-95-3	Nitrobenzene	ND	83	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	83	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	25	ug/kg	
85-01-8	Phenanthrene	106000 ^a	21000	9400	ug/kg	
129-00-0	Pyrene	29600 ^b	410	160	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	83	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	92%	73%	0% ^c	30-109%
4165-62-2	Phenol-d5	104%	86%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	80%	86%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-1D		
Lab Sample ID:	JA37789-20	Date Sampled:	01/15/10
Matrix:	SO - Soil	Date Received:	01/15/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	80.6
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	198%	96%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	100%	108% ^d	0% ^c	38-107%
1718-51-0	Terphenyl-d14	97%	103%	0% ^c	31-116%

(a) Result is from Run# 3

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

(d) Outside of in house control limits due to dilution, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-S3	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-21	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C73476.D	25	01/20/10	MAH	n/a	n/a	V1C3196
Run #2	1C73455.D	100	01/20/10	MAH	n/a	n/a	V1C3195

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	250	72	ug/l	
71-43-2	Benzene	1940	25	5.9	ug/l	
75-27-4	Bromodichloromethane	ND	25	5.5	ug/l	
75-25-2	Bromoform	ND	100	5.8	ug/l	
74-83-9	Bromomethane	ND	50	7.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	250	41	ug/l	
75-15-0	Carbon disulfide	ND	50	18	ug/l	
56-23-5	Carbon tetrachloride	ND	25	6.4	ug/l	
108-90-7	Chlorobenzene	ND	25	9.7	ug/l	
75-00-3	Chloroethane	ND	25	9.3	ug/l	
67-66-3	Chloroform	ND	25	5.9	ug/l	
74-87-3	Chloromethane	ND	25	7.2	ug/l	
124-48-1	Dibromochloromethane	ND	25	5.4	ug/l	
75-34-3	1,1-Dichloroethane	ND	25	7.2	ug/l	
107-06-2	1,2-Dichloroethane	ND	25	8.3	ug/l	
75-35-4	1,1-Dichloroethene	ND	25	9.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	25	5.4	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	25	6.2	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	25	5.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	25	6.8	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	6.2	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	5.3	ug/l	
100-41-4	Ethylbenzene	1600	25	6.7	ug/l	
591-78-6	2-Hexanone	ND	130	35	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	25	5.8	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	130	21	ug/l	
75-09-2	Methylene chloride	ND	50	7.6	ug/l	
100-42-5	Styrene	ND	130	14	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	25	6.0	ug/l	
127-18-4	Tetrachloroethene	ND	25	6.6	ug/l	
108-88-3	Toluene	5740 ^a	100	30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	25	6.4	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-S3	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-21	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	25	5.8	ug/l	
79-01-6	Trichloroethene	ND	25	6.0	ug/l	
75-01-4	Vinyl chloride	ND	25	11	ug/l	
1330-20-7	Xylene (total)	8100	25	6.3	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%	102%	76-120%
17060-07-0	1,2-Dichloroethane-D4	99%	97%	64-135%
2037-26-5	Toluene-D8	105%	105%	76-117%
460-00-4	4-Bromofluorobenzene	100%	102%	72-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-S3	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-21	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M70794.D	1	01/29/10	LP	01/19/10	OP41879	EM2674
Run #2	M70816.D	20	01/30/10	LP	01/19/10	OP41879	EM2675
Run #3	M70817.D	100	01/30/10	LP	01/19/10	OP41879	EM2675
Run #4	M70840.D	1000	01/30/10	LP	01/19/10	OP41879	EM2675

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml
Run #4	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	45.3	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	173 ^a	40	22	ug/l	
	3&4-Methylphenol	96.4	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	1670 ^a	20	7.3	ug/l	
208-96-8	Acenaphthylene	251 ^a	20	5.5	ug/l	
120-12-7	Anthracene	743 ^a	20	3.2	ug/l	
56-55-3	Benzo(a)anthracene	89.8	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	62.1	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	57.1	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	29.6	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	27.1	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	56.0	2.0	0.17	ug/l	
218-01-9	Chrysene	82.9	1.0	0.11	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-S3	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-21	Date Received:	01/15/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	11.8	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	1490 ^a	100	6.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	717 ^a	20	3.4	ug/l	
86-73-7	Fluorene	1450 ^a	20	5.3	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	27.2	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	4240 ^b	200	66	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	30200 ^c	1000	430	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	3180 ^b	100	21	ug/l	
129-00-0	Pyrene	547 ^a	20	3.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	98% ^d	95% ^d	0% ^e	13-68%

ND = Not detected MDL - Method Detection Limit

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-S3		
Lab Sample ID:	JA37789-21	Date Sampled:	01/15/10
Matrix:	AQ - Ground Water	Date Received:	01/15/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	21%	25%	0% ^e	10-49%
118-79-6	2,4,6-Tribromophenol	62%	98%	0% ^e	37-130%
4165-60-0	Nitrobenzene-d5	21% ^f	83%	0% ^e	25-112%
321-60-8	2-Fluorobiphenyl	46%	98%	0% ^e	31-106%
1718-51-0	Terphenyl-d14	43%	66%	0% ^e	14-122%

(a) Result is from Run# 2

(b) Result is from Run# 3

(c) Result is from Run# 4

(d) Outside of in house control limits, but within reasonable method recovery limits.

(e) Outside control limits due to dilution.

(f) Outside control limits due to matrix interference with corresponding I.S.

ND = Not detected MDL - Method Detection Limit

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B = Indicates analyte found in associated method blank

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Report of Analysis

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Client Sample ID:	PI-27-2D	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-22	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	71.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164538.D	1	01/26/10	TDN	n/a	n/a	VD6626
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.8 g	10.0 ml	4.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20000	4500	ug/kg	
71-43-2	Benzene	ND	2000	680	ug/kg	
75-27-4	Bromodichloromethane	ND	10000	510	ug/kg	
75-25-2	Bromoform	ND	10000	300	ug/kg	
74-83-9	Bromomethane	ND	10000	810	ug/kg	
78-93-3	2-Butanone (MEK)	ND	20000	3900	ug/kg	
75-15-0	Carbon disulfide	ND	10000	610	ug/kg	
56-23-5	Carbon tetrachloride	ND	10000	1100	ug/kg	
108-90-7	Chlorobenzene	ND	10000	680	ug/kg	
75-00-3	Chloroethane	ND	10000	2000	ug/kg	
67-66-3	Chloroform	ND	10000	640	ug/kg	
74-87-3	Chloromethane	ND	10000	330	ug/kg	
124-48-1	Dibromochloromethane	ND	10000	220	ug/kg	
75-34-3	1,1-Dichloroethane	ND	10000	280	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2000	690	ug/kg	
75-35-4	1,1-Dichloroethene	ND	10000	1300	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	10000	480	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	10000	900	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	10000	480	ug/kg	
78-87-5	1,2-Dichloropropane	ND	10000	260	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	10000	270	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	10000	190	ug/kg	
100-41-4	Ethylbenzene	7610	2000	740	ug/kg	
591-78-6	2-Hexanone	ND	10000	1900	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2000	560	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	10000	1600	ug/kg	
75-09-2	Methylene chloride	ND	10000	450	ug/kg	
100-42-5	Styrene	ND	10000	210	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10000	590	ug/kg	
127-18-4	Tetrachloroethene	ND	10000	290	ug/kg	
108-88-3	Toluene	7490	2000	580	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	10000	260	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-27-2D	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-22	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	71.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	10000	370	ug/kg	
79-01-6	Trichloroethene	ND	10000	1100	ug/kg	
75-01-4	Vinyl chloride	ND	10000	360	ug/kg	
1330-20-7	Xylene (total)	37900	4000	940	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		67-127%
17060-07-0	1,2-Dichloroethane-D4	106%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	92%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-27-2D	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-22	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	71.0
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E24202.D	1	01/29/10	LP	01/26/10	OP41960	E3E1093
Run #2	3E24215.D	50	01/29/10	OYA	01/26/10	OP41960	E3E1094

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2	30.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	230	47	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	230	47	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	230	75	ug/kg	
105-67-9	2,4-Dimethylphenol	410	230	78	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	930	57	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	930	57	ug/kg	
95-48-7	2-Methylphenol	105	93	53	ug/kg	
	3&4-Methylphenol	109	93	59	ug/kg	
88-75-5	2-Nitrophenol	ND	230	49	ug/kg	
100-02-7	4-Nitrophenol	ND	470	79	ug/kg	
87-86-5	Pentachlorophenol	ND	470	80	ug/kg	
108-95-2	Phenol	ND	93	49	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	230	54	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	230	44	ug/kg	
83-32-9	Acenaphthene	17300 ^a	2300	680	ug/kg	
208-96-8	Acenaphthylene	1460	47	15	ug/kg	
120-12-7	Anthracene	9720 ^a	2300	820	ug/kg	
56-55-3	Benzo(a)anthracene	2880	47	15	ug/kg	
50-32-8	Benzo(a)pyrene	1470	47	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	1950	47	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	754	47	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	544	47	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	93	17	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	93	27	ug/kg	
91-58-7	2-Chloronaphthalene	ND	93	14	ug/kg	
106-47-8	4-Chloroaniline	ND	230	15	ug/kg	
86-74-8	Carbazole	2820	93	22	ug/kg	
218-01-9	Chrysene	2240	47	16	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	93	19	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	93	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	93	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	93	14	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-2D	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-22	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	71.0
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	93	13	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	93	12	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	93	10	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	93	20	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	93	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	230	12	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	257	47	16	ug/kg	
132-64-9	Dibenzofuran	13600 ^a	4700	690	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	93	10	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	93	23	ug/kg	
84-66-2	Diethyl phthalate	ND	93	16	ug/kg	
131-11-3	Dimethyl phthalate	ND	93	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	63.0	93	41	ug/kg	J
206-44-0	Fluoranthene	12800 ^a	2300	1000	ug/kg	
86-73-7	Fluorene	13500 ^a	2300	760	ug/kg	
118-74-1	Hexachlorobenzene	ND	93	15	ug/kg	
87-68-3	Hexachlorobutadiene	ND	47	13	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	930	48	ug/kg	
67-72-1	Hexachloroethane	ND	230	13	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	735	47	16	ug/kg	
78-59-1	Isophorone	ND	93	13	ug/kg	
91-57-6	2-Methylnaphthalene	30300 ^a	4700	1300	ug/kg	
88-74-4	2-Nitroaniline	ND	230	21	ug/kg	
99-09-2	3-Nitroaniline	ND	230	19	ug/kg	
100-01-6	4-Nitroaniline	ND	230	18	ug/kg	
91-20-3	Naphthalene	152000 ^a	2300	640	ug/kg	
98-95-3	Nitrobenzene	ND	93	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	93	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	230	28	ug/kg	
85-01-8	Phenanthrene	35500 ^a	2300	1100	ug/kg	
129-00-0	Pyrene	9670 ^a	2300	900	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	93	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	61%	0% ^b	30-109%
4165-62-2	Phenol-d5	68%	0% ^b	28-108%
118-79-6	2,4,6-Tribromophenol	73%	0% ^b	28-125%
4165-60-0	Nitrobenzene-d5	78%	0% ^b	28-113%
321-60-8	2-Fluorobiphenyl	86%	0% ^b	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-2D		
Lab Sample ID:	JA37789-22	Date Sampled:	01/15/10
Matrix:	SO - Soil	Date Received:	01/15/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	71.0
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	91%	0% ^b	31-116%

- (a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-27-3D	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-23	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D164633.D	1	01/28/10	TDN	n/a	n/a	VD6630
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.3 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	690	150	ug/kg	
71-43-2	Benzene	ND	69	23	ug/kg	
75-27-4	Bromodichloromethane	ND	340	18	ug/kg	
75-25-2	Bromoform	ND	340	10	ug/kg	
74-83-9	Bromomethane	ND	340	28	ug/kg	
78-93-3	2-Butanone (MEK)	ND	690	140	ug/kg	
75-15-0	Carbon disulfide	ND	340	21	ug/kg	
56-23-5	Carbon tetrachloride	ND	340	38	ug/kg	
108-90-7	Chlorobenzene	ND	340	23	ug/kg	
75-00-3	Chloroethane	ND	340	69	ug/kg	
67-66-3	Chloroform	ND	340	22	ug/kg	
74-87-3	Chloromethane	ND	340	11	ug/kg	
124-48-1	Dibromochloromethane	ND	340	7.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	340	9.5	ug/kg	
107-06-2	1,2-Dichloroethane	ND	69	24	ug/kg	
75-35-4	1,1-Dichloroethene	ND	340	45	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	340	16	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	340	31	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	340	16	ug/kg	
78-87-5	1,2-Dichloropropane	ND	340	8.9	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	340	9.1	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	340	6.6	ug/kg	
100-41-4	Ethylbenzene	ND	69	25	ug/kg	
591-78-6	2-Hexanone	ND	340	66	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	69	19	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	340	56	ug/kg	
75-09-2	Methylene chloride	ND	340	15	ug/kg	
100-42-5	Styrene	ND	340	7.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	340	20	ug/kg	
127-18-4	Tetrachloroethene	ND	340	9.9	ug/kg	
108-88-3	Toluene	ND	69	20	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	340	8.8	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-27-3D	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-23	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	340	13	ug/kg	
79-01-6	Trichloroethene	ND	340	36	ug/kg	
75-01-4	Vinyl chloride	ND	340	12	ug/kg	
1330-20-7	Xylene (total)	61.1	140	32	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-127%
17060-07-0	1,2-Dichloroethane-D4	106%		65-132%
2037-26-5	Toluene-D8	88%		74-129%
460-00-4	4-Bromofluorobenzene	90%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-27-3D	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-23	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E24191.D	1	01/28/10	LP	01/26/10	OP41960	E3E1093
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	200	40	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	40	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	64	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	67	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	790	48	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	790	48	ug/kg	
95-48-7	2-Methylphenol	ND	79	45	ug/kg	
	3&4-Methylphenol	ND	79	50	ug/kg	
88-75-5	2-Nitrophenol	ND	200	42	ug/kg	
100-02-7	4-Nitrophenol	ND	400	67	ug/kg	
87-86-5	Pentachlorophenol	ND	400	68	ug/kg	
108-95-2	Phenol	ND	79	42	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	46	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	37	ug/kg	
83-32-9	Acenaphthene	222	40	11	ug/kg	
208-96-8	Acenaphthylene	ND	40	13	ug/kg	
120-12-7	Anthracene	139	40	14	ug/kg	
56-55-3	Benzo(a)anthracene	36.2	40	13	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	40	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	40	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	40	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	40	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	79	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	79	23	ug/kg	
91-58-7	2-Chloronaphthalene	ND	79	12	ug/kg	
106-47-8	4-Chloroaniline	ND	200	13	ug/kg	
86-74-8	Carbazole	643	79	18	ug/kg	
218-01-9	Chrysene	37.0	40	13	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	79	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	79	12	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	79	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	79	12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-3D	Date Sampled:	01/15/10
Lab Sample ID:	JA37789-23	Date Received:	01/15/10
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	79	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	79	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	79	8.8	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	79	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	79	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	200	10	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	40	13	ug/kg	
132-64-9	Dibenzofuran	1760	79	12	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	79	8.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	79	19	ug/kg	
84-66-2	Diethyl phthalate	ND	79	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	79	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	85.9	79	35	ug/kg	
206-44-0	Fluoranthene	199	40	17	ug/kg	
86-73-7	Fluorene	528	40	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	79	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	40	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	790	40	ug/kg	
67-72-1	Hexachloroethane	ND	200	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	40	14	ug/kg	
78-59-1	Isophorone	ND	79	11	ug/kg	
91-57-6	2-Methylnaphthalene	129	79	22	ug/kg	
88-74-4	2-Nitroaniline	ND	200	17	ug/kg	
99-09-2	3-Nitroaniline	ND	200	16	ug/kg	
100-01-6	4-Nitroaniline	ND	200	15	ug/kg	
91-20-3	Naphthalene	1390	40	11	ug/kg	
98-95-3	Nitrobenzene	ND	79	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	79	9.7	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	24	ug/kg	
85-01-8	Phenanthrene	1100	40	18	ug/kg	
129-00-0	Pyrene	132	40	15	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	79	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		30-109%
4165-62-2	Phenol-d5	52%		28-108%
118-79-6	2,4,6-Tribromophenol	81%		28-125%
4165-60-0	Nitrobenzene-d5	55%		28-113%
321-60-8	2-Fluorobiphenyl	60%		38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-27-3D		
Lab Sample ID:	JA37789-23	Date Sampled:	01/15/10
Matrix:	SO - Soil	Date Received:	01/15/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	83.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	97%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



PAGE 1 OF

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # JA37789

4.1

Page 1 of 5

2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # JA37789

Client / Reporting Information		Project Information		Requested Analysis (see TEST CODE sheet)		Matrix Codes	
Company Name FLS		Project Name Panel 8 - Pre Injection		8260 8270 620/020		DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank	
Street Address 158 W 29th St		Street					
City NYC State Zip 10001		City State					
Project Contact S. Parker E-mail		Project # 10011-017-4 Street Address					
Phone # Fax #		Client Purchase Order # City State Zip					
Sampler(s) Name(s) Phone #		Project Manager SP Attention:					

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vol #	Date	Time	Sampled by	Matrix	# of bottles	PC	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	LAB USE ONLY
13	PI-24-85 SB		1/14/10	1340	GW	8	4	X				X				X
14	PI-27-55		1/14/10	1355	SO	4	4					X				
15	PI-27-65		1/14/10	1500	1	4	4					1				
16	PI-27-75		1/15/10	0953	SO	4	4									
17	PI-27-51		1/14/10		GW	8	4									
18	PI-27-85		1/15/10	1604	SO	4	4									
19	PI-27-52		1/15/10	1030	GW	8	4									
20	PI-27-20		1/15/10	1102	SO	4	4									
21	PI-27-53		1/15/10	1144	GW	8	4									
22	PI-27-20		1/15/10	1152	SO	4	4									
23	PI-27-30		1/15/10	1422	1	4	4									

Turnaround Time (Business days) ☒ Std. 15 Business Days ☐ Std. 10 Business Days (by Contract only) ☐ 10 Day RUSH ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY Emergency & Rush T/A data available VIA Lablink	Approved By (Accutest PM): / Date: _____ _____ _____ _____ _____	☐ Commercial "A" (Level 1) ☐ Commercial "B" (Level 2) ☐ FULLT1 (Level 3+4) ☐ NJ Reduced ☐ Commercial "C" ☐ NYASP Category A ☒ NYASP Category B ☐ State Forms ☐ EDD Format ☐ Other Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data	Comments / Special Instructions _____ _____ _____

Sample Custody must be documented below each time sample change possession, including courier delivery.			
Relinquished by: 1 Date Time: 1/15/10 1500 Received by: SCORSA Date Time: 1/15/10 1730	Relinquished by: 2 Date Time: 1/15/10 1730 Received by: 2 Date Time: 1/15/10 1730	Relinquished by: 3 Date Time: 1/15/10 1730 Received by: 3 Date Time: 1/15/10 1730	Relinquished by: 4 Date Time: 1/15/10 1730 Received by: 4 Date Time: 1/15/10 1730
Relinquished by: 5 Date Time: 1/15/10 1730 Received by: 5 Date Time: 1/15/10 1730	Relinquished by: 6 Date Time: 1/15/10 1730 Received by: 6 Date Time: 1/15/10 1730	Relinquished by: 7 Date Time: 1/15/10 1730 Received by: 7 Date Time: 1/15/10 1730	Relinquished by: 8 Date Time: 1/15/10 1730 Received by: 8 Date Time: 1/15/10 1730

JA37789: Chain of Custody

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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA37789

Client: FLS-NY

Immediate Client Services Action Required: No

Date / Time Received: 1/15/2010 1730

Delivery Method: Other Courier

Client Service Action Required at Login: Yes

Project: PARCEL 8

No. Coolers: 4

Airbill #'s:

Cooler Security

Y or N

Y or N

1. Custody Seals Present:	☐	☒	3. COC Present:	☒	☐
2. Custody Seals Intact:	☒	☐	4. Smpl Dates/Time OK	☒	☐

Cooler Temperature

Y or N

1. Temp criteria achieved:	☒	☐
2. Cooler temp verification:	Infrared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservation

Y

N

N/A

1. Trip Blank present / cooler:	☐	☐	☐
2. Trip Blank listed on COC:	☐	☐	☐
3. Samples preserved properly:	☐	☒	
4. VOCs headspace free:	☐	☐	☐

Comments

-4, -5, -6, -9, -11, -13, -17, -19, -21 2 OF 2 DRO UNDERPRESERVED(PH6)
HCL ADDED IN SM, LOT#2907091

-4 1 OF 5 VO BROKEN

Sample Integrity - Documentation

Y or N

1. Sample labels present on bottles:	☒	☐
2. Container labeling complete:	☒	☐
3. Sample container label / COC agree:	☒	☐

Sample Integrity - Condition

Y or N

1. Sample recvd within HT:	☒	☐
2. All containers accounted for:	☒	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions

Y N N/A

1. Analysis requested is clear:	☒	☐	
2. Bottles received for unspecified tests	☐	☒	
3. Sufficient volume recvd for analysis:	☒	☐	
4. Compositing instructions clear:	☐	☐	☐
5. Filtering instructions clear:	☐	☐	☐

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JA37789: Chain of Custody

Page 3 of 5



Sample Receipt Summary - Problem Resolution

Accutest Job Number: JA37789

CSR: Tammy McCloskey

Response Date 1/20/2010

Response: client notified, please proceed with analysis.

4.1

4

Accutest Laboratories
V: 732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JA37789: Chain of Custody
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Job Change Order: JA37789_1/22/2010

Requested Date:	1/22/2010	Received Date:	1/15/2010
Account Name:	Fleming-Lee Shue, Inc.	Due Date:	1/29/2010
Project Description:	Queens West, Parcel 8, 47th Road, Long Island City,	Deliverable:	NYASPB
CSR:	TM	TAT (Days):	14
Sample #:	Change: please revise B8015DRO to Extract & Hold. Please cancel V8015GRO		
JA37789-1 through 23			

Above Changes

Steve Panter

Date: 1/22/2010

JA37789: Chain of Custody

Page 5 of 5

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1



07/02/10

Technical Report for

Fleming-Lee Shue, Inc.

Queens West, Parcel 8, 47th Road, Long Island City, NY

10011-017-4

Accutest Job Number: JA38860

Sampling Dates: 01/25/10 - 01/27/10

Report to:

Fleming-Lee Shue, Inc.

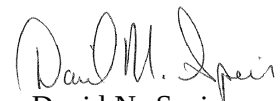
steve@flemingleeshue.com

ATTN: Steve Panter

Total number of pages in report: **21**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


David N. Speis
VP Ops, Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

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Sample Summary

Fleming-Lee Shue, Inc.

Job No: JA38860

Queens West, Parcel 8, 47th Road, Long Island City, NY
Project No: 10011-017-4

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JA38860-1	01/25/10	10:00 BN	01/29/10	AQ	Ground Water	PI-11-S1
JA38860-2	01/27/10	10:42 BN	01/29/10	AQ	Ground Water	PI-11-S4
JA38860-3	01/27/10	11:37 BN	01/29/10	AQ	Ground Water	PI-11-S5

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Fleming-Lee Shue, Inc.

Job No JA38860

Site: Queens West, Parcel 8, 47th Road, Long Island City, NY

Report Date 2/16/2010 5:43:16 PM

On 01/29/2010, 3 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 1.8 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA38860 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: V3B2540

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA38860-1MS, JA38860-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Tetrachloroethene are outside control limits.
- JA38860-1: Diluted due to high concentration of non-target compound.

Matrix: AQ

Batch ID: V3B2541

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA39099-5MS, JA39099-5MSD were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ

Batch ID: OP42095

- All samples were extracted within the recommended method holding time.
- Sample(s) JA38738-12MS, JA38738-12MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MSD for Phenol are outside control limits for sample OP42095-MSD. Outside of in house control limits.
- JA38860-2 for Nitrobenzene-d5: Outside control limits due to matrix interference, confirmed by MS/MSD.
- JA38860-2 for Phenol-d5: Outside control limits due to dilution.
- JA38860-2 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA38860-2 for 2-Fluorophenol: Outside control limits due to dilution.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover



Sample Results

Report of Analysis

Report of Analysis

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Client Sample ID:	PI-11-S1	Date Sampled:	01/25/10
Lab Sample ID:	JA38860-1	Date Received:	01/29/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3B54570.D	10	02/04/10	DPP	n/a	n/a	V3B2540
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	29	ug/l	
71-43-2	Benzene	21.7	10	2.3	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.2	ug/l	
75-25-2	Bromoform	ND	40	2.3	ug/l	
74-83-9	Bromomethane	ND	20	3.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	16	ug/l	
75-15-0	Carbon disulfide	ND	20	7.4	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.6	ug/l	
108-90-7	Chlorobenzene	ND	10	3.9	ug/l	
75-00-3	Chloroethane	ND	10	3.7	ug/l	
67-66-3	Chloroform	ND	10	2.3	ug/l	
74-87-3	Chloromethane	ND	10	2.9	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.9	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.3	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	2.5	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	10	2.2	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.7	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	901	10	2.7	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	8.6	ug/l	
75-09-2	Methylene chloride	ND	20	3.0	ug/l	
100-42-5	Styrene	ND	50	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.4	ug/l	
127-18-4	Tetrachloroethene	ND	10	2.7	ug/l	
108-88-3	Toluene	46.4	10	3.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.6	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-11-S1	Date Sampled:	01/25/10
Lab Sample ID:	JA38860-1	Date Received:	01/29/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	10	2.3	ug/l	
79-01-6	Trichloroethene	ND	10	2.4	ug/l	
75-01-4	Vinyl chloride	ND	10	4.4	ug/l	
1330-20-7	Xylene (total)	1130	10	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-120%
17060-07-0	1,2-Dichloroethane-D4	93%		64-135%
2037-26-5	Toluene-D8	107%		76-117%
460-00-4	4-Bromofluorobenzene	101%		72-122%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-S4	Date Sampled:	01/27/10
Lab Sample ID:	JA38860-2	Date Received:	01/29/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B54573.D	1	02/05/10	DPP	n/a	n/a	V3B2540
Run #2	3B54605.D	20	02/05/10	DPP	n/a	n/a	V3B2541

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	61.2	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	226 ^a	20	5.4	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	7.7	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-11-S4	Date Sampled:	01/27/10
Lab Sample ID:	JA38860-2	Date Received:	01/29/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	298	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%	99%	76-120%
17060-07-0	1,2-Dichloroethane-D4	93%	94%	64-135%
2037-26-5	Toluene-D8	108%	105%	76-117%
460-00-4	4-Bromofluorobenzene	102%	101%	72-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-S4	Date Sampled:	01/27/10
Lab Sample ID:	JA38860-2	Date Received:	01/29/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E24478.D	1	02/11/10	OYA	02/03/10	OP42095	E3E1106
Run #2	3E24555.D	10	02/15/10	OYA	02/03/10	OP42095	E3E1109
Run #3	3E24501.D	50	02/12/10	OYA	02/03/10	OP42095	E3E1107

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	191 ^a	10	3.7	ug/l	
208-96-8	Acenaphthylene	1.7	1.0	0.27	ug/l	
120-12-7	Anthracene	18.6	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	5.1	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	2.8	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	5.3	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	2.0	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	2.3	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	174 ^a	20	1.7	ug/l	
218-01-9	Chrysene	5.0	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-S4	Date Sampled:	01/27/10
Lab Sample ID:	JA38860-2	Date Received:	01/29/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.63	1.0	0.15	ug/l	J
132-64-9	Dibenzofuran	128 ^a	50	3.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	20.9	1.0	0.17	ug/l	
86-73-7	Fluorene	70.1	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	1.9	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	245 ^a	20	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	4720 ^b	50	21	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	77.7	1.0	0.21	ug/l	
129-00-0	Pyrene	16.2	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	22%	25%	0% ^c	13-68%
4165-62-2	Phenol-d5	18%	20%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	76%	73%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PI-11-S4	Date Sampled:	01/27/10
Lab Sample ID:	JA38860-2	Date Received:	01/29/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	138% ^d	102%	85%	25-112%
321-60-8	2-Fluorobiphenyl	81%	96%	92%	31-106%
1718-51-0	Terphenyl-d14	79%	88%	76%	14-122%

(a) Result is from Run# 2

(b) Result is from Run# 3

(c) Outside control limits due to dilution.

(d) Outside control limits due to matrix interference, confirmed by MS/MSD.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PI-11-S5	Date Sampled:	01/27/10
Lab Sample ID:	JA38860-3	Date Received:	01/29/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B54606.D	10	02/05/10	DPP	n/a	n/a	V3B2541
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	29	ug/l	
71-43-2	Benzene	1390	10	2.3	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.2	ug/l	
75-25-2	Bromoform	ND	40	2.3	ug/l	
74-83-9	Bromomethane	ND	20	3.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	16	ug/l	
75-15-0	Carbon disulfide	ND	20	7.4	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.6	ug/l	
108-90-7	Chlorobenzene	ND	10	3.9	ug/l	
75-00-3	Chloroethane	ND	10	3.7	ug/l	
67-66-3	Chloroform	ND	10	2.3	ug/l	
74-87-3	Chloromethane	ND	10	2.9	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.9	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.3	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	2.5	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	10	2.2	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.7	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	180	10	2.7	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	8.6	ug/l	
75-09-2	Methylene chloride	ND	20	3.0	ug/l	
100-42-5	Styrene	ND	50	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.4	ug/l	
127-18-4	Tetrachloroethene	ND	10	2.7	ug/l	
108-88-3	Toluene	8.8	10	3.0	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	10	2.6	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PI-11-S5	Date Sampled:	01/27/10
Lab Sample ID:	JA38860-3	Date Received:	01/29/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	10	2.3	ug/l	
79-01-6	Trichloroethene	ND	10	2.4	ug/l	
75-01-4	Vinyl chloride	ND	10	4.4	ug/l	
1330-20-7	Xylene (total)	62.5	10	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		76-120%
17060-07-0	1,2-Dichloroethane-D4	94%		64-135%
2037-26-5	Toluene-D8	106%		76-117%
460-00-4	4-Bromofluorobenzene	98%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PI-11-S5	Date Sampled:	01/27/10
Lab Sample ID:	JA38860-3	Date Received:	01/29/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E24479.D	1	02/11/10	OYA	02/03/10	OP42095	E3E1106
Run #2	3E24538.D	40	02/15/10	OYA	02/03/10	OP42095	E3E1109

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	10.5	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	3.3	2.0	1.1	ug/l	
	3&4-Methylphenol	4.9	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	4.2	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	99.8	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	5.0	1.0	0.27	ug/l	
120-12-7	Anthracene	17.2	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	7.4	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	5.0	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	7.5	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	3.1	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	2.3	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	37.9	2.0	0.17	ug/l	
218-01-9	Chrysene	6.7	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	

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J = Indicates an estimated value

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-S5	Date Sampled:	01/27/10
Lab Sample ID:	JA38860-3	Date Received:	01/29/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	1.0	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	77.9	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	5.2	2.0	0.33	ug/l	
206-44-0	Fluoranthene	30.3	1.0	0.17	ug/l	
86-73-7	Fluorene	57.9	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.37	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.67	ug/l	
67-72-1	Hexachloroethane	ND	5.0	0.26	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	3.1	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	218 ^a	80	26	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	2310 ^a	40	17	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	94.3	1.0	0.21	ug/l	
129-00-0	Pyrene	22.4	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	29%	29%	13-68%
4165-62-2	Phenol-d5	25%	25%	10-49%
118-79-6	2,4,6-Tribromophenol	85%	55%	37-130%
4165-60-0	Nitrobenzene-d5	111%	103%	25-112%
321-60-8	2-Fluorobiphenyl	94%	106%	31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PI-11-S5	Date Sampled:	01/27/10
Lab Sample ID:	JA38860-3	Date Received:	01/29/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	93%	78%	14-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

2235 Route 130, Dayton, NJ 08810
TEL 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #
Accutest Quote #
Bottle Order Control #
Accutest Job # **JA38860**

Client / Reporting Information				Project Information				Requested Analysis (see TEST CODE sheet)												Matrix Codes	
Company Name FLS				Project Name Parcel 8 - Pave Injection				8260 8270 # 060/640 DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OL - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank												LAB USE ONLY EX 81 923	
Street Address 158 W 35th St.				Street 47th Rd / Ch Blvd																	
City State Zip NY NY 10001				City State LIC NY																	
Project Contact S. Panter				Project # 10011-017-4																	
Phone #				Client Purchase Order #																	
Sample(s) Name(s) BN				Project Manager SP																	
Accutest Sample #	Field ID / Point of Collection	MECH/DI Val #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NH ₄ Cl	HNO ₃	H ₂ SO ₄	NO ₂	NO ₃	DI Water	MECH	ENCORE					
1	PI-11-52		01/23/10	1000	GW	6	X							X			X				
2	PI-11-54		1/27/10	1042		1	B	X						X							
3	PI-11-55		1	1137		1															
-	Trip Blank		1/8/10	0630	TB	2	X														
Turnaround Time (Business days)				Data Deliverable Information				Comments / Special Instructions													
☒ Std. 15 Business Days ☐ Std. 10 Business Days (by Contract only) ☐ 10 Day RUSH ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY Emergency & Rush T/A data available VIA Lablink				Approved By (Accutest PM): / Date: _____ _____ _____ _____ _____				☐ Commercial "A" (Level 1) ☐ Commercial "B" (Level 2) ☐ FULLT1 (Level 3+4) ☐ NJ Reduced ☐ Commercial "C" Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data				☐ NYASP Category A ☐ NYASP Category B ☐ State Forms ☐ EDD Format ☐ Other _____				_____ _____ _____ _____					
Sample Custody must be documented below each time samples change possession, including courier delivery.																					
Retinquished by: Chris Paul		Date Time: 1-29-10 10:50		Received By: Chris Paul		Date Time: 1-29-10 17:30		Received By: Volans		Retinquished by: Chris Paul		Date Time: 1-29-10		Received By: Volans							
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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA38860

Client: FLS-NY

Immediate Client Services Action Required: Yes

Date / Time Received: 1/29/2010 1730

Delivery Method: Accutest Courier

Client Service Action Required at Login: No

Project: PARCEL 8

No. Coolers: 1

Airbill #'s:

Cooler Security

Y or N

Y or N

1. Custody Seals Present:	☐	☒	3. COC Present:	☒	☐
2. Custody Seals Intact:	☒	☐	4. Smpl Dates/Time OK	☒	☐

Cooler Temperature

Y or N

1. Temp criteria achieved:	☒	☐
2. Cooler temp verification:	Infrared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservation

Y

N

N/A

1. Trip Blank present / cooler:	☐	☐	☐
2. Trip Blank listed on COC:	☐	☐	☐
3. Samples preserved properly:	☒	☐	
4. VOCs headspace free:	☐	☐	☐

Comments

-2, -3 ALSO REC'D 8270 VOL
TB REC'D BROKEN(FROZEN)

Sample Integrity - Documentation

Y or N

1. Sample labels present on bottles:	☒	☐
2. Container labeling complete:	☒	☐
3. Sample container label / COC agree:	☒	☐

Sample Integrity - Condition

Y or N

1. Sample recvd within HT:	☒	☐
2. All containers accounted for:	☒	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions

Y N N/A

1. Analysis requested is clear:	☒	☐	
2. Bottles received for unspecified tests	☒	☐	
3. Sufficient volume recvd for analysis:	☒	☐	
4. Compositing instructions clear:	☐	☐	☐
5. Filtering instructions clear:	☐	☐	☐

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JA38860: Chain of Custody

Page 2 of 3



Sample Receipt Summary - Problem Resolution

Accutest Job Number: JA38860

CSR: Tammy McCloskey

Response Date 2/1/2010

Response: -2 & -3 please run for SVOC
Please cancel trip blank as it was received broken

Please cancel all DRO & GRO.

Above per Steve Panter

4.1

4

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JA38860: Chain of Custody
Page 3 of 3



IT'S ALL IN THE CHEMISTRY

07/02/10

Technical Report for

Fleming-Lee Shue, Inc.

Queens West, Parcel 8, 47th Road, Long Island City, NY

10011-017-4

Accutest Job Number: JA46464

Sampling Dates: 05/10/10 - 05/12/10

Report to:

Fleming-Lee Shue, Inc.

steve@flemingleeshue.com

ATTN: Steve Panter

Total number of pages in report: **145**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP Ops, Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Fleming-Lee Shue, Inc.

Job No: JA46464

Queens West, Parcel 8, 47th Road, Long Island City, NY
Project No: 10011-017-4

Sample Number	Collected			Received	Matrix		Client Sample ID
	Date	Time	By		Code	Type	
JA46464-1	05/10/10	10:18	KB	05/12/10	SO	Soil	PO-27-8S
JA46464-2	05/10/10	11:48	KB	05/12/10	AQ	Ground Water	PO-24-S8
JA46464-3	05/10/10	13:10	KB	05/12/10	SO	Soil	PO-27-1D
JA46464-4	05/10/10	14:50	KB	05/12/10	AQ	Ground Water	PO-24-S3
JA46464-4R	05/10/10	14:50	KB	05/12/10	AQ	Ground Water	PO-24-S3
JA46464-5	05/10/10	15:05	KB	05/12/10	AQ	Ground Water	PO-24-S5
JA46464-6	05/11/10	09:37	KB	05/12/10	SO	Soil	PO-27-2D
JA46464-6R	05/11/10	09:37	KB	05/12/10	SO	Soil	PO-27-2D
JA46464-7	05/11/10	10:09	KB	05/12/10	AQ	Ground Water	PO-19-S8
JA46464-7R	05/11/10	10:09	KB	05/12/10	AQ	Ground Water	PO-19-S8
JA46464-8	05/11/10	10:55	KB	05/12/10	SO	Soil	PO-27-5D
JA46464-8R	05/11/10	10:55	KB	05/12/10	SO	Soil	PO-27-5D
JA46464-9	05/11/10	11:33	KB	05/12/10	SO	Soil	PO-27-6D

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary

(continued)

Fleming-Lee Shue, Inc.

Job No: JA46464

Queens West, Parcel 8, 47th Road, Long Island City, NY

Project No: 10011-017-4

Sample Number	Collected			Received	Matrix		Client Sample ID
	Date	Time	By		Code	Type	
JA46464-10	05/11/10	12:19	KB	05/12/10	SO	Soil	PO-27-7D
JA46464-11	05/11/10	15:43	KB	05/12/10	SO	Soil	PO-27-8D
JA46464-12	05/12/10	08:45	KB	05/12/10	AQ	Ground Water	PO-19-S7
JA46464-12R	05/12/10	08:45	KB	05/12/10	AQ	Ground Water	PO-19-S7
JA46464-13	05/12/10	08:50	KB	05/12/10	SO	Soil	PO-27-3S
JA46464-14	05/12/10	09:20	KB	05/12/10	SO	Soil	PO-27-4S
JA46464-15	05/12/10	09:58	KB	05/12/10	SO	Soil	PO-27-4D
JA46464-16	05/12/10	10:36	KB	05/12/10	SO	Soil	PO-27-3D
JA46464-17	05/12/10	10:05	KB	05/12/10	AQ	Ground Water	PO-19-S6
JA46464-17R	05/12/10	10:05	KB	05/12/10	AQ	Ground Water	PO-19-S6
JA46464-18	05/12/10	13:05	KB	05/12/10	SO	Soil	PO-11-I
JA46464-19	05/12/10	13:55	KB	05/12/10	SO	Soil	PO-11-9
JA46464-20	05/12/10	14:28	KB	05/12/10	SO	Soil	PO-11-3

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary
(continued)

Fleming-Lee Shue, Inc.

Job No: JA46464

Queens West, Parcel 8, 47th Road, Long Island City, NY
Project No: 10011-017-4

Sample Number	Collected		Matrix Code	Type	Client Sample ID
	Date	Time By			
JA46464-21	05/12/10	14:55 KB	05/12/10	SO Soil	PO-11-11
JA46464-22	05/12/10	15:16 KB	05/12/10	SO Soil	PO-11-10
JA46464-23	05/12/10	15:16 KB	05/12/10	AQ Trip Blank Water	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Fleming-Lee Shue, Inc.

Job No JA46464

Site: Queens West, Parcel 8, 47th Road, Long Island City, NY

Report Date 6/8/2010 6:12:24 PM

On 05/12/2010, 22 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 5.6 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA46464 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: V1C3396

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA46364-3MS, JA46364-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MSD for Bromomethane are outside control limits for sample JA46364-3MSD. Outside control limits.

Matrix: AQ

Batch ID: V1C3397

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA46389-1MS, JA46389-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MSD for 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,1-Dichloroethane, 1,1-Dichloroethene, 1,2-Dichloroethane, 1,2-Dichloroethene (total), 1,2-Dichloropropane, 2-Butanone (MEK), 2-Hexanone, 4-Methyl-2-pentanone(MIBK), Acetone, Benzene, Bromodichloromethane, Bromoform, Carbon disulfide, Carbon tetrachloride, Chlorobenzene, Chloroform, cis-1,2-Dichloroethene, cis-1,3-Dichloropropene, Dibromochloromethane, Ethylbenzene, Methyl Tert Butyl Ether, Methylene chloride, Styrene, Tetrachloroethene, Toluene, trans-1,2-Dichloroethene, trans-1,3-Dichloropropene, Trichloroethene, Xylene (total) are outside control limits for sample JA46389-1MSD. Outside in house control limits.
- JA46464-2: Diluted due to high concentration of non-target compound.

Matrix: AQ

Batch ID: V1C3401

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA46464-5MS, JA46464-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Toluene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Sample(s) JA46382-1MS, JA46382-1MSD have surrogates outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JA46464-4: (pH=7) Sample pH did not satisfy field preservation criteria.

Matrix: AQ

Batch ID: V1C3407

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA47054-1MS, JA47054-1MSD were used as the QC samples indicated.
- JA46464-4: (pH=7) Sample pH did not satisfy field preservation criteria.

Matrix: SO

Batch ID: VD6803

Volatiles by GCMS By Method SW846 8260B

Matrix: SO

Batch ID: VD6803

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA46464-1MS, JA46464-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JA46464-9: Diluted due to high concentration of non-target compound.
- JA46464-1: Diluted due to high concentration of non-target compound.

Matrix: SO

Batch ID: VD6805

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA46382-1MS, JA46382-1MSD were used as the QC samples indicated.
- JA46464-18: Diluted due to high concentration of non-target compound.
- JA46382-1MSD for 4-Bromofluorobenzene: Outside control limits due to matrix interference.
- JA46382-1MS for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

Matrix: SO

Batch ID: VD6807

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA47210-3MS, JA47210-3MSD were used as the QC samples indicated.
- JA46464-22: Diluted due to high concentration of non-target compound.
- JA46464-21: Diluted due to high concentration of non-target compound.
- JA46464-20: Diluted due to high concentration of non-target compound.

Matrix: SO

Batch ID: VD6809

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA46955-18MS, JA46955-18MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JA46464-14: Diluted due to high concentration of non-target compound.

Matrix: SO

Batch ID: VS5402

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA47182-12MS, JA46345-4DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Acetone are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for Duplicate for Acetone are outside control limits for sample JA46345-4DUP. High RPD due to possible sample matrix.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ

Batch ID: OP43586

- All samples were extracted within the recommended method holding time.
- Sample(s) JA46440-5MS, JA46440-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Hexachlorocyclopentadiene are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol are outside control limits for sample OP43586-MSD. Outside control limits due to matrix interference.
- JA46464-2 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA46464-7 for Terphenyl-d14: Outside control limits due to dilution.
- JA46464-17 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA46464-17 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46464-17 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA46464-17 for Phenol-d5: Outside control limits due to dilution.
- JA46464-2 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA46464-2 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46464-2 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46464-7 for Phenol-d5: Outside control limits due to dilution.
- JA46464-2 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46464-12 for 2-Fluorophenol: Outside of in house control limits, but within reasonable method recovery limits.
- JA46464-2 for Terphenyl-d14: Outside control limits due to dilution.
- JA46464-17 for Terphenyl-d14: Outside control limits due to dilution.
- JA46464-4 for 2-Fluorobiphenyl: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- JA46464-4 for Nitrobenzene-d5: Outside of in house control limits due to dilution, but within reasonable method recovery limits.
- JA46464-5 for Phenol-d5: Outside control limits due to dilution.
- JA46464-17 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46464-5 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA46464-5 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46464-12 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46464-7 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46464-2 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA46464-17 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46464-12 for Phenol-d5: Outside control limits due to dilution.
- JA46464-12 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA46464-12 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46464-5 for Terphenyl-d14: Outside control limits due to dilution.
- JA46464-5 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA46464-7 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46464-5 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46464-7 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA46464-12 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46464-7 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA46464-5 for Nitrobenzene-d5: Outside control limits due to dilution.

Tuesday, June 08, 2010

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Extractables by GCMS By Method SW846 8270C

Matrix: AQ

Batch ID: OP43586

- JA46464-17 for 2-Fluorophenol: Outside of in house control limits, but within reasonable method recovery limits.
- JA46464-5 for 2-Fluorophenol: Outside of in house control limits, but within reasonable method recovery limits.
- JA46464-5 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA46464-7 for Nitrobenzene-d5: Outside of in house control limits, but within reasonable method recovery limits.
- JA46464-12 for Terphenyl-d14: Outside control limits due to dilution.
- JA46464-2 for 2-Fluorophenol: Outside of in house control limits, but within reasonable method recovery limits.
- JA46464-12 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA46464-5 for 2-Fluorophenol: Outside control limits due to dilution.

Matrix: SO

Batch ID: OP43577

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA46407-2MS, JA46407-2MSD were used as the QC samples indicated.
- JA46464-11 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46464-16 for Phenol-d5: Outside control limits due to dilution.
- JA46464-16 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA46464-21 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA46464-20 for Phenol-d5: Outside control limits due to dilution.
- JA46464-20 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA46464-21 for Phenol-d5: Outside control limits due to dilution.
- JA46464-21 for Terphenyl-d14: Outside control limits due to dilution.
- JA46464-20 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46464-20 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA46464-20 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46464-21 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46464-8 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46464-20 for Terphenyl-d14: Outside control limits due to dilution.
- JA46464-16 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA46464-6 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46464-10 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46464-10 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA46464-10 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46464-10 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA46464-10 for Phenol-d5: Outside control limits due to dilution.
- JA46464-10 for Terphenyl-d14: Outside control limits due to dilution.
- JA46464-16 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46464-16 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46464-16 for Terphenyl-d14: Outside control limits due to dilution.
- JA46464-16 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46464-1 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46464-1 for Terphenyl-d14: Outside control limits due to dilution.
- JA46464-16 for 2,4,6-Tribromophenol: Outside control limits due to matrix interference.

Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP43577

- JA46464-8 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46464-11 for Phenol-d5: Outside control limits due to dilution.
- JA46464-15 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46464-11 for Nitrobenzene-d5: Outside control limits due to matrix interference.
- JA46464-11 for 2,4,6-Tribromophenol: Outside control limits due to matrix interference.
- JA46464-20 for 2,4,6-Tribromophenol: Outside control limits due to matrix interference.
- JA46464-15 for Phenol-d5: Outside control limits due to dilution.
- JA46464-15 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46464-16 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA46464-16 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46464-16 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA46464-16 for Phenol-d5: Outside control limits due to dilution.
- JA46464-19 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46464-19 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46464-19 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA46464-19 for Phenol-d5: Outside control limits due to dilution.
- JA46464-21 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46464-8 for Nitrobenzene-d5: Outside control limits due to matrix interference.
- JA46464-21 for 2-Fluorobiphenyl: Outside control limits due to dilution.

Volatiles by GC By Method SW846 8015B

Matrix: AQ

Batch ID: GUV3235

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA46610-2MS, JA46610-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ

Batch ID: GUV3238

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA46832-9MS, JA46832-9MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ

Batch ID: GUV3239

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA46891-7MS, JA46891-7MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO

Batch ID: GPF2056

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA47203-1MS, JA47203-1MSD were used as the QC samples indicated.

Extractables by GC By Method SW846-8015

Matrix: AQ

Batch ID: OP43579

- All samples were extracted within the recommended method holding time.
- Sample(s) JA46464-2MS, JA46464-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for TPH-DRO (C10-C28) are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix: SO

Batch ID: OP43563

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA46428-1MS, JA46428-1MSD were used as the QC samples indicated.

Matrix: SO

Batch ID: OP43591

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA46481-1MS, JA46481-1MSD were used as the QC samples indicated.
- JA46464-8R for Tetracosane-d50: Outside control limits due to matrix interference.

Wet Chemistry By Method SM18 2540G

Matrix: SO

Batch ID: GN37746

- The data for SM18 2540G meets quality control requirements.

Matrix: SO

Batch ID: GN37752

- The data for SM18 2540G meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover



Sample Results

Report of Analysis

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-27-8S	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-1	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	76.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168617.D	1	05/21/10	HSS	n/a	n/a	VD6803
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.2 g	10.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	4000	890	ug/kg	J
71-43-2	Benzene	340	400	140	ug/kg	
75-27-4	Bromodichloromethane	ND	2000	100	ug/kg	
75-25-2	Bromoform	ND	2000	60	ug/kg	
74-83-9	Bromomethane	ND	2000	160	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4000	790	ug/kg	
75-15-0	Carbon disulfide	ND	2000	120	ug/kg	
56-23-5	Carbon tetrachloride	ND	2000	220	ug/kg	
108-90-7	Chlorobenzene	ND	2000	140	ug/kg	
75-00-3	Chloroethane	ND	2000	400	ug/kg	
67-66-3	Chloroform	ND	2000	130	ug/kg	
74-87-3	Chloromethane	ND	2000	66	ug/kg	
124-48-1	Dibromochloromethane	ND	2000	44	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2000	55	ug/kg	
107-06-2	1,2-Dichloroethane	ND	400	140	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2000	270	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2000	96	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2000	180	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	2000	96	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2000	52	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2000	53	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2000	38	ug/kg	
100-41-4	Ethylbenzene	1150	400	150	ug/kg	
591-78-6	2-Hexanone	ND	2000	390	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	400	110	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2000	320	ug/kg	
75-09-2	Methylene chloride	ND	2000	89	ug/kg	
100-42-5	Styrene	ND	2000	43	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2000	120	ug/kg	
127-18-4	Tetrachloroethene	ND	2000	58	ug/kg	
108-88-3	Toluene	3500	400	120	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2000	51	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-8S	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-1	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	76.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2000	74	ug/kg	
79-01-6	Trichloroethene	ND	2000	210	ug/kg	
75-01-4	Vinyl chloride	ND	2000	71	ug/kg	
1330-20-7	Xylene (total)	7030	800	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	89%		65-132%
2037-26-5	Toluene-D8	102%		74-129%
460-00-4	4-Bromofluorobenzene	107%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-8S	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-1	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	76.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19717.D	1	05/25/10	KLS	05/13/10	OP43577	E3M844
Run #2	3M19733.D	10	05/25/10	LP	05/13/10	OP43577	E3M845
Run #3	3M19734.D	200	05/25/10	LP	05/13/10	OP43577	E3M845

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2	35.1 g	1.0 ml
Run #3	35.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	38	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	60	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	63	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	750	46	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	750	46	ug/kg	
95-48-7	2-Methylphenol	ND	75	43	ug/kg	
	3&4-Methylphenol	ND	75	48	ug/kg	
88-75-5	2-Nitrophenol	ND	190	40	ug/kg	
100-02-7	4-Nitrophenol	ND	370	63	ug/kg	
87-86-5	Pentachlorophenol	ND	370	64	ug/kg	
108-95-2	Phenol	ND	75	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	35	ug/kg	
83-32-9	Acenaphthene	12400 ^a	370	110	ug/kg	
208-96-8	Acenaphthylene	1210	37	12	ug/kg	
120-12-7	Anthracene	13600 ^a	370	130	ug/kg	
56-55-3	Benzo(a)anthracene	3570	37	12	ug/kg	
50-32-8	Benzo(a)pyrene	3210	37	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	2420	37	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1670	37	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	1830	37	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	75	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	75	22	ug/kg	
91-58-7	2-Chloronaphthalene	ND	75	12	ug/kg	
106-47-8	4-Chloroaniline	ND	190	12	ug/kg	
86-74-8	Carbazole	40100 ^b	15000	3500	ug/kg	
218-01-9	Chrysene	3270	37	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	75	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	75	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-8S	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-1	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	76.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	75	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	75	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	75	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	75	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	75	8.3	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	75	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	75	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	9.5	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	599	37	13	ug/kg	
132-64-9	Dibenzofuran	13900 ^a	750	110	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	75	8.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	75	18	ug/kg	
84-66-2	Diethyl phthalate	ND	75	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	75	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	75	33	ug/kg	
206-44-0	Fluoranthene	15700 ^a	370	170	ug/kg	
86-73-7	Fluorene	27800 ^a	370	120	ug/kg	
118-74-1	Hexachlorobenzene	ND	75	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	750	38	ug/kg	
67-72-1	Hexachloroethane	ND	190	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1530	37	13	ug/kg	
78-59-1	Isophorone	ND	75	10	ug/kg	
91-57-6	2-Methylnaphthalene	36800 ^b	15000	4200	ug/kg	
88-74-4	2-Nitroaniline	ND	190	16	ug/kg	
99-09-2	3-Nitroaniline	ND	190	15	ug/kg	
100-01-6	4-Nitroaniline	ND	190	15	ug/kg	
91-20-3	Naphthalene	274000 ^b	7500	2000	ug/kg	
98-95-3	Nitrobenzene	ND	75	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	75	9.1	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	22	ug/kg	
85-01-8	Phenanthrene	31900 ^a	370	170	ug/kg	
129-00-0	Pyrene	12700 ^a	370	140	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	75	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	72%	75%	61%	30-109%
4165-62-2	Phenol-d5	41%	76%	52%	28-108%
118-79-6	2,4,6-Tribromophenol	65%	61%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-8S				
Lab Sample ID:	JA46464-1		Date Sampled:	05/10/10	
Matrix:	SO - Soil		Date Received:	05/12/10	
Method:	SW846 8270C SW846 3550B		Percent Solids:	76.1	
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY				

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	90%	68%	58%	28-113%
321-60-8	2-Fluorobiphenyl	69%	74%	72%	38-107%
1718-51-0	Terphenyl-d14	74%	77%	0% ^c	31-116%

- (a) Result is from Run# 2
(b) Result is from Run# 3
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S8	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-2	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	1C77800.D	20	05/15/10	MAH	n/a	n/a	V1C3397
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	200	57	ug/l	
71-43-2	Benzene	33.9	20	4.7	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.4	ug/l	
75-25-2	Bromoform	ND	80	4.6	ug/l	
74-83-9	Bromomethane	ND	40	5.9	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	32	ug/l	
75-15-0	Carbon disulfide	ND	40	15	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.1	ug/l	
108-90-7	Chlorobenzene	ND	20	7.8	ug/l	
75-00-3	Chloroethane	ND	20	7.4	ug/l	
67-66-3	Chloroform	ND	20	4.7	ug/l	
74-87-3	Chloromethane	ND	20	5.8	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.3	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	6.7	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	7.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	20	4.3	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	20	5.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	20	4.3	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	5.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.3	ug/l	
100-41-4	Ethylbenzene	1560	20	5.4	ug/l	
591-78-6	2-Hexanone	ND	100	28	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	4.7	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	17	ug/l	
75-09-2	Methylene chloride	ND	40	6.1	ug/l	
100-42-5	Styrene	ND	100	12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.8	ug/l	
127-18-4	Tetrachloroethene	ND	20	5.3	ug/l	
108-88-3	Toluene	1670	20	6.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	5.1	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S8	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-2	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	20	4.6	ug/l	
79-01-6	Trichloroethene	ND	20	4.8	ug/l	
75-01-4	Vinyl chloride	ND	20	8.9	ug/l	
1330-20-7	Xylene (total)	6290	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		76-120%
17060-07-0	1,2-Dichloroethane-D4	98%		64-135%
2037-26-5	Toluene-D8	86%		76-117%
460-00-4	4-Bromofluorobenzene	88%		72-122%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S8	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-2	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M73613.D	1	05/21/10	KLS	05/14/10	OP43586	EM2818
Run #2	M73687.D	20	05/25/10	LP	05/14/10	OP43586	EM2821
Run #3	M73688.D	100	05/25/10	LP	05/14/10	OP43586	EM2821

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	41.8	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	50.1	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	18.0	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	215 ^a	20	7.3	ug/l	
208-96-8	Acenaphthylene	7.0	1.0	0.27	ug/l	
120-12-7	Anthracene	26.3	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	0.82	1.0	0.095	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.89	1.0	0.25	ug/l	J
191-24-2	Benzo(g,h,i)perylene	0.50	1.0	0.12	ug/l	J
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	172 ^a	20	3.3	ug/l	
218-01-9	Chrysene	1.5	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-S8	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-2	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	162 ^a	100	6.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.1	2.0	0.33	ug/l	
206-44-0	Fluoranthene	12.4	1.0	0.17	ug/l	
86-73-7	Fluorene	81.3	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.42	1.0	0.13	ug/l	J
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	924 ^a	20	13	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	8620 ^b	100	43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	74.7	1.0	0.21	ug/l	
129-00-0	Pyrene	8.4	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	75% ^d	109% ^c	111% ^c	13-68%
4165-62-2	Phenol-d5	30%	39%	37%	10-49%
118-79-6	2,4,6-Tribromophenol	97%	117%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S8	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-2	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	88%	87%	119% ^c	25-112%
321-60-8	2-Fluorobiphenyl	86%	119% ^c	117% ^c	31-106%
1718-51-0	Terphenyl-d14	69%	103%	133% ^c	14-122%

(a) Result is from Run# 2

(b) Result is from Run# 3

(c) Outside control limits due to dilution.

(d) Outside of in house control limits, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-27-1D	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-3	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	68.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D168627.D	1	05/21/10	HSS	n/a	n/a	VD6803
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.3 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	930	210	ug/kg	
71-43-2	Benzene	11700	93	32	ug/kg	
75-27-4	Bromodichloromethane	ND	460	24	ug/kg	
75-25-2	Bromoform	ND	460	14	ug/kg	
74-83-9	Bromomethane	ND	460	38	ug/kg	
78-93-3	2-Butanone (MEK)	ND	930	180	ug/kg	
75-15-0	Carbon disulfide	ND	460	28	ug/kg	
56-23-5	Carbon tetrachloride	ND	460	52	ug/kg	
108-90-7	Chlorobenzene	ND	460	31	ug/kg	
75-00-3	Chloroethane	ND	460	93	ug/kg	
67-66-3	Chloroform	ND	460	30	ug/kg	
74-87-3	Chloromethane	ND	460	15	ug/kg	
124-48-1	Dibromochloromethane	ND	460	10	ug/kg	
75-34-3	1,1-Dichloroethane	ND	460	13	ug/kg	
107-06-2	1,2-Dichloroethane	ND	93	32	ug/kg	
75-35-4	1,1-Dichloroethene	ND	460	61	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	460	22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	460	42	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	460	22	ug/kg	
78-87-5	1,2-Dichloropropane	ND	460	12	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	460	12	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	460	8.9	ug/kg	
100-41-4	Ethylbenzene	2690	93	34	ug/kg	
591-78-6	2-Hexanone	ND	460	89	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	93	26	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	460	75	ug/kg	
75-09-2	Methylene chloride	ND	460	21	ug/kg	
100-42-5	Styrene	ND	460	9.9	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	460	27	ug/kg	
127-18-4	Tetrachloroethene	ND	460	13	ug/kg	
108-88-3	Toluene	1710	93	27	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	460	12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-27-1D	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-3	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	68.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	460	17	ug/kg	
79-01-6	Trichloroethene	ND	460	49	ug/kg	
75-01-4	Vinyl chloride	ND	460	17	ug/kg	
1330-20-7	Xylene (total)	15200	190	44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		67-127%
17060-07-0	1,2-Dichloroethane-D4	91%		65-132%
2037-26-5	Toluene-D8	102%		74-129%
460-00-4	4-Bromofluorobenzene	107%		62-138%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-1D	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-3	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	68.0
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19705.D	1	05/25/10	KLS	05/13/10	OP43577	E3M843
Run #2	3M19761.D	10	05/26/10	KLS	05/13/10	OP43577	E3M846

	Initial Weight	Final Volume
Run #1	35.4 g	1.0 ml
Run #2	35.4 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	210	42	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	42	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	67	ug/kg	
105-67-9	2,4-Dimethylphenol	5420 ^a	2100	700	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	51	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	830	51	ug/kg	
95-48-7	2-Methylphenol	140	83	47	ug/kg	
	3&4-Methylphenol	78.5	83	53	ug/kg	J
88-75-5	2-Nitrophenol	ND	210	44	ug/kg	
100-02-7	4-Nitrophenol	ND	420	70	ug/kg	
87-86-5	Pentachlorophenol	ND	420	71	ug/kg	
108-95-2	Phenol	ND	83	44	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	48	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	39	ug/kg	
83-32-9	Acenaphthene	1640	42	12	ug/kg	
208-96-8	Acenaphthylene	69.9	42	13	ug/kg	
120-12-7	Anthracene	516	42	15	ug/kg	
56-55-3	Benzo(a)anthracene	126	42	14	ug/kg	
50-32-8	Benzo(a)pyrene	79.6	42	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	69.5	42	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	37.9	42	15	ug/kg	J
207-08-9	Benzo(k)fluoranthene	53.5	42	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	83	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	83	24	ug/kg	
91-58-7	2-Chloronaphthalene	ND	83	13	ug/kg	
106-47-8	4-Chloroaniline	ND	210	13	ug/kg	
86-74-8	Carbazole	270	83	19	ug/kg	
218-01-9	Chrysene	121	42	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	83	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	83	13	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	83	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	83	13	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-1D	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-3	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	68.0
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	83	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	83	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	83	9.3	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	83	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	83	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	210	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	16.7	42	14	ug/kg	J
132-64-9	Dibenzofuran	1470	83	12	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	83	9.2	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	83	20	ug/kg	
84-66-2	Diethyl phthalate	ND	83	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	83	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	66.9	83	37	ug/kg	J
206-44-0	Fluoranthene	575	42	18	ug/kg	
86-73-7	Fluorene	1390	42	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	83	14	ug/kg	
87-68-3	Hexachlorobutadiene	ND	42	12	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	830	42	ug/kg	
67-72-1	Hexachloroethane	ND	210	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	33.6	42	14	ug/kg	J
78-59-1	Isophorone	ND	83	11	ug/kg	
91-57-6	2-Methylnaphthalene	2970	83	23	ug/kg	
88-74-4	2-Nitroaniline	ND	210	18	ug/kg	
99-09-2	3-Nitroaniline	ND	210	17	ug/kg	
100-01-6	4-Nitroaniline	ND	210	16	ug/kg	
91-20-3	Naphthalene	17600 ^a	420	110	ug/kg	
98-95-3	Nitrobenzene	ND	83	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	83	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	25	ug/kg	
85-01-8	Phenanthrene	3200	42	19	ug/kg	
129-00-0	Pyrene	461	42	16	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	83	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%	58%	30-109%
4165-62-2	Phenol-d5	67%	65%	28-108%
118-79-6	2,4,6-Tribromophenol	58%	44%	28-125%
4165-60-0	Nitrobenzene-d5	62%	59%	28-113%
321-60-8	2-Fluorobiphenyl	61%	60%	38-107%

ND = Not detected MDL - Method Detection Limit

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E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-1D		
Lab Sample ID:	JA46464-3	Date Sampled:	05/10/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	68.0
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	67%	65%	31-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S3	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-4	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	1C77896.D	10	05/18/10	MAH	n/a	n/a	V1C3401
Run #2 ^a	1C78028.D	100	05/21/10	MAH	n/a	n/a	V1C3407

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	148	100	29	ug/l	
71-43-2	Benzene	2030 ^b	100	23	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.2	ug/l	
75-25-2	Bromoform	ND	40	2.3	ug/l	
74-83-9	Bromomethane	ND	20	3.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	16	ug/l	
75-15-0	Carbon disulfide	10.7	20	7.4	ug/l	J
56-23-5	Carbon tetrachloride	ND	10	2.6	ug/l	
108-90-7	Chlorobenzene	ND	10	3.9	ug/l	
75-00-3	Chloroethane	ND	10	3.7	ug/l	
67-66-3	Chloroform	ND	10	2.3	ug/l	
74-87-3	Chloromethane	ND	10	2.9	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.9	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.3	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	2.5	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	10	2.2	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.7	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	89.9	10	2.7	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	8.6	ug/l	
75-09-2	Methylene chloride	ND	20	3.0	ug/l	
100-42-5	Styrene	ND	50	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.4	ug/l	
127-18-4	Tetrachloroethene	ND	10	2.7	ug/l	
108-88-3	Toluene	749	10	3.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.6	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-24-S3	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-4	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	10	2.3	ug/l	
79-01-6	Trichloroethene	ND	10	2.4	ug/l	
75-01-4	Vinyl chloride	ND	10	4.4	ug/l	
1330-20-7	Xylene (total)	470	10	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	96%	76-120%
17060-07-0	1,2-Dichloroethane-D4	93%	101%	64-135%
2037-26-5	Toluene-D8	89%	90%	76-117%
460-00-4	4-Bromofluorobenzene	91%	94%	72-122%

(a) (pH= 7) Sample pH did not satisfy field preservation criteria.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S3		
Lab Sample ID:	JA46464-4	Date Sampled:	05/10/10
Matrix:	AQ - Ground Water	Date Received:	05/12/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M73616.D	1	05/21/10	KLS	05/14/10	OP43586	EM2818
Run #2	M73689.D	10	05/25/10	LP	05/14/10	OP43586	EM2821

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2	100 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	50	11	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	50	11	ug/l	
120-83-2	2,4-Dichlorophenol	ND	50	12	ug/l	
105-67-9	2,4-Dimethylphenol	3190 ^a	500	170	ug/l	
51-28-5	2,4-Dinitrophenol	ND	200	7.4	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	200	5.1	ug/l	
95-48-7	2-Methylphenol	2800 ^a	200	110	ug/l	
	3&4-Methylphenol	5140 ^a	200	100	ug/l	
88-75-5	2-Nitrophenol	ND	50	12	ug/l	
100-02-7	4-Nitrophenol	ND	100	8.3	ug/l	
87-86-5	Pentachlorophenol	ND	100	8.0	ug/l	
108-95-2	Phenol	1590 ^a	200	58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	50	13	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	50	12	ug/l	
83-32-9	Acenaphthene	108	10	3.7	ug/l	
208-96-8	Acenaphthylene	128	10	2.7	ug/l	
120-12-7	Anthracene	344	10	1.6	ug/l	
56-55-3	Benzo(a)anthracene	130	10	1.2	ug/l	
50-32-8	Benzo(a)pyrene	98.5	10	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	69.3	10	2.5	ug/l	
191-24-2	Benzo(g,h,i)perylene	52.4	10	1.2	ug/l	
207-08-9	Benzo(k)fluoranthene	72.8	10	3.8	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	20	3.5	ug/l	
85-68-7	Butyl benzyl phthalate	ND	20	2.5	ug/l	
91-58-7	2-Chloronaphthalene	ND	20	4.2	ug/l	
106-47-8	4-Chloroaniline	ND	50	2.5	ug/l	
86-74-8	Carbazole	341	10	1.7	ug/l	
218-01-9	Chrysene	235	10	1.1	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	20	2.5	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	20	3.1	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	20	3.9	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	20	3.5	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-S3	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-4	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	10	4.2	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	3.6	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	3.9	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	20	2.2	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	20	3.3	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	50	3.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	14.9	10	1.5	ug/l	
132-64-9	Dibenzofuran	186	50	3.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	20	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	20	4.0	ug/l	
84-66-2	Diethyl phthalate	ND	20	1.7	ug/l	
131-11-3	Dimethyl phthalate	ND	20	2.3	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	21.3	20	3.3	ug/l	
206-44-0	Fluoranthene	346	10	1.7	ug/l	
86-73-7	Fluorene	194	10	2.7	ug/l	
118-74-1	Hexachlorobenzene	ND	10	2.7	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	1.3	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	200	2.4	ug/l	
67-72-1	Hexachloroethane	ND	20	2.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	44.2	10	1.3	ug/l	
78-59-1	Isophorone	ND	20	2.5	ug/l	
91-57-6	2-Methylnaphthalene	294	10	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	50	2.4	ug/l	
99-09-2	3-Nitroaniline	ND	50	2.9	ug/l	
100-01-6	4-Nitroaniline	ND	50	1.8	ug/l	
91-20-3	Naphthalene	6110 ^a	100	43	ug/l	
98-95-3	Nitrobenzene	ND	20	2.5	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	20	4.4	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	50	2.2	ug/l	
85-01-8	Phenanthrene	531	10	2.1	ug/l	
129-00-0	Pyrene	314	10	1.6	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	4.4	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	24%	31%	13-68%
4165-62-2	Phenol-d5	21%	24%	10-49%
118-79-6	2,4,6-Tribromophenol	95%	105%	37-130%
4165-60-0	Nitrobenzene-d5	85%	114% ^b	25-112%
321-60-8	2-Fluorobiphenyl	86%	111% ^b	31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-S3		
Lab Sample ID:	JA46464-4	Date Sampled:	05/10/10
Matrix:	AQ - Ground Water	Date Received:	05/12/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	75%	101%	14-122%

- (a) Result is from Run# 2
(b) Outside of in house control limits due to dilution, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-S3			
Lab Sample ID:	JA46464-4R		Date Sampled:	05/10/10
Matrix:	AQ - Ground Water		Date Received:	05/12/10
Method:	SW846 8015B		Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY			

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV81878.D	5	05/21/10	CY	n/a	n/a	GUV3238
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	7.70	1.0	0.056	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	86%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PO-24-S3		
Lab Sample ID:	JA46464-4R	Date Sampled:	05/10/10
Matrix:	AQ - Ground Water	Date Received:	05/12/10
Method:	SW846-8015 SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z23578.D	1	05/14/10	DNM	05/13/10	OP43579	G3Z706
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	18.8	0.10	0.039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		34-139%
16416-32-3	Tetracosane-d50	78%		34-141%
438-22-2	5a-Androstane	98%		26-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-24-S5	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-5	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C77886.D	20	05/18/10	MAH	n/a	n/a	V1C3401
Run #2	1C77801.D	50	05/15/10	MAH	n/a	n/a	V1C3397

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	200	57	ug/l	
71-43-2	Benzene	61.7	20	4.7	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.4	ug/l	
75-25-2	Bromoform	ND	80	4.6	ug/l	
74-83-9	Bromomethane	ND	40	5.9	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	32	ug/l	
75-15-0	Carbon disulfide	ND	40	15	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.1	ug/l	
108-90-7	Chlorobenzene	ND	20	7.8	ug/l	
75-00-3	Chloroethane	ND	20	7.4	ug/l	
67-66-3	Chloroform	ND	20	4.7	ug/l	
74-87-3	Chloromethane	ND	20	5.8	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.3	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	6.7	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	7.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	20	4.3	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	20	5.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	20	4.3	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	5.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.3	ug/l	
100-41-4	Ethylbenzene	1560	20	5.4	ug/l	
591-78-6	2-Hexanone	ND	100	28	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	4.7	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	17	ug/l	
75-09-2	Methylene chloride	ND	40	6.1	ug/l	
100-42-5	Styrene	ND	100	12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.8	ug/l	
127-18-4	Tetrachloroethene	ND	20	5.3	ug/l	
108-88-3	Toluene	6290 ^a	50	15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	5.1	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-24-S5	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-5	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	20	4.6	ug/l	
79-01-6	Trichloroethene	ND	20	4.8	ug/l	
75-01-4	Vinyl chloride	ND	20	8.9	ug/l	
1330-20-7	Xylene (total)	5960	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	96%	76-120%
17060-07-0	1,2-Dichloroethane-D4	93%	96%	64-135%
2037-26-5	Toluene-D8	87%	86%	76-117%
460-00-4	4-Bromofluorobenzene	91%	90%	72-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-24-S5	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-5	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M73678.D	1	05/24/10	LP	05/14/10	OP43586	EM2821
Run #2	M73713.D	20	05/25/10	LP	05/14/10	OP43586	EM2822
Run #3	M73760.D	200	05/26/10	LP	05/14/10	OP43586	EM2824

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	43.3	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	25.6	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	91.6	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	3.5	1.0	0.27	ug/l	
120-12-7	Anthracene	15.1	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	0.41	1.0	0.095	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.44	1.0	0.25	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	234 ^a	20	3.3	ug/l	
218-01-9	Chrysene	0.69	1.0	0.11	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-S5	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-5	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	75.0	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	21.3	2.0	0.33	ug/l	
206-44-0	Fluoranthene	5.9	1.0	0.17	ug/l	
86-73-7	Fluorene	52.7	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	554 ^a	20	13	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	7790 ^b	200	85	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	44.1	1.0	0.21	ug/l	
129-00-0	Pyrene	4.1	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	95% ^d	111% ^c	0% ^c	13-68%
4165-62-2	Phenol-d5	31%	35%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	100%	110%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PO-24-S5	Date Sampled:	05/10/10
Lab Sample ID:	JA46464-5	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	71%	116% ^c	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	83%	108% ^c	0% ^c	31-106%
1718-51-0	Terphenyl-d14	80%	117%	0% ^c	14-122%

- (a) Result is from Run# 2
 (b) Result is from Run# 3
 (c) Outside control limits due to dilution.
 (d) Outside of in house control limits, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-27-2D	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-6	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	67.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D168626.D	1	05/21/10	HSS	n/a	n/a	VD6803
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.4 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	930	210	ug/kg	
71-43-2	Benzene	16300	93	32	ug/kg	
75-27-4	Bromodichloromethane	ND	470	24	ug/kg	
75-25-2	Bromoform	ND	470	14	ug/kg	
74-83-9	Bromomethane	ND	470	38	ug/kg	
78-93-3	2-Butanone (MEK)	ND	930	180	ug/kg	
75-15-0	Carbon disulfide	ND	470	28	ug/kg	
56-23-5	Carbon tetrachloride	ND	470	52	ug/kg	
108-90-7	Chlorobenzene	ND	470	32	ug/kg	
75-00-3	Chloroethane	ND	470	93	ug/kg	
67-66-3	Chloroform	ND	470	30	ug/kg	
74-87-3	Chloromethane	ND	470	15	ug/kg	
124-48-1	Dibromochloromethane	ND	470	10	ug/kg	
75-34-3	1,1-Dichloroethane	ND	470	13	ug/kg	
107-06-2	1,2-Dichloroethane	ND	93	32	ug/kg	
75-35-4	1,1-Dichloroethene	ND	470	62	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	470	22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	470	42	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	470	22	ug/kg	
78-87-5	1,2-Dichloropropane	ND	470	12	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	470	12	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	470	8.9	ug/kg	
100-41-4	Ethylbenzene	2880	93	35	ug/kg	
591-78-6	2-Hexanone	ND	470	90	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	93	26	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	470	75	ug/kg	
75-09-2	Methylene chloride	ND	470	21	ug/kg	
100-42-5	Styrene	ND	470	10	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	470	27	ug/kg	
127-18-4	Tetrachloroethene	ND	470	13	ug/kg	
108-88-3	Toluene	2480	93	27	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	470	12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-27-2D	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-6	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	67.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	470	17	ug/kg	
79-01-6	Trichloroethene	ND	470	49	ug/kg	
75-01-4	Vinyl chloride	ND	470	17	ug/kg	
1330-20-7	Xylene (total)	17300	190	44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	90%		65-132%
2037-26-5	Toluene-D8	102%		74-129%
460-00-4	4-Bromofluorobenzene	108%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-27-2D		
Lab Sample ID:	JA46464-6	Date Sampled:	05/11/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	67.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19703.D	1	05/25/10	KLS	05/13/10	OP43577	E3M843
Run #2	3M19759.D	10	05/26/10	KLS	05/13/10	OP43577	E3M846

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2	35.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	210	43	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	42	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	68	ug/kg	
105-67-9	2,4-Dimethylphenol	7430 ^a	2100	710	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	850	52	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	850	52	ug/kg	
95-48-7	2-Methylphenol	119	85	48	ug/kg	
	3&4-Methylphenol	146	85	54	ug/kg	
88-75-5	2-Nitrophenol	ND	210	45	ug/kg	
100-02-7	4-Nitrophenol	ND	420	72	ug/kg	
87-86-5	Pentachlorophenol	ND	420	72	ug/kg	
108-95-2	Phenol	77.7	85	44	ug/kg	J
95-95-4	2,4,5-Trichlorophenol	ND	210	49	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	40	ug/kg	
83-32-9	Acenaphthene	1630	42	12	ug/kg	
208-96-8	Acenaphthylene	121	42	14	ug/kg	
120-12-7	Anthracene	598	42	15	ug/kg	
56-55-3	Benzo(a)anthracene	182	42	14	ug/kg	
50-32-8	Benzo(a)pyrene	130	42	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	100	42	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	58.4	42	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	85.7	42	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	85	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	85	25	ug/kg	
91-58-7	2-Chloronaphthalene	ND	85	13	ug/kg	
106-47-8	4-Chloroaniline	ND	210	14	ug/kg	
86-74-8	Carbazole	473	85	20	ug/kg	
218-01-9	Chrysene	182	42	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	85	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	85	13	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	85	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	85	13	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-2D	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-6	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	67.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	85	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	85	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	85	9.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	85	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	85	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	210	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	22.6	42	14	ug/kg	J
132-64-9	Dibenzofuran	1490	85	13	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	85	9.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	85	21	ug/kg	
84-66-2	Diethyl phthalate	ND	85	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	85	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	85	37	ug/kg	
206-44-0	Fluoranthene	822	42	19	ug/kg	
86-73-7	Fluorene	1400	42	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	85	14	ug/kg	
87-68-3	Hexachlorobutadiene	ND	42	12	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	850	43	ug/kg	
67-72-1	Hexachloroethane	ND	210	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	52.5	42	15	ug/kg	
78-59-1	Isophorone	ND	85	11	ug/kg	
91-57-6	2-Methylnaphthalene	3450	85	24	ug/kg	
88-74-4	2-Nitroaniline	ND	210	19	ug/kg	
99-09-2	3-Nitroaniline	ND	210	17	ug/kg	
100-01-6	4-Nitroaniline	ND	210	17	ug/kg	
91-20-3	Naphthalene	24800 ^a	420	120	ug/kg	
98-95-3	Nitrobenzene	ND	85	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	85	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	25	ug/kg	
85-01-8	Phenanthrene	2820	42	19	ug/kg	
129-00-0	Pyrene	662	42	16	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	85	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	83%	80%	30-109%
4165-62-2	Phenol-d5	82%	82%	28-108%
118-79-6	2,4,6-Tribromophenol	69%	0% ^b	28-125%
4165-60-0	Nitrobenzene-d5	76%	76%	28-113%
321-60-8	2-Fluorobiphenyl	75%	78%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-2D		
Lab Sample ID:	JA46464-6	Date Sampled:	05/11/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	67.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	79%	77%	31-116%

- (a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PO-27-2D	
Lab Sample ID:	JA46464-6R	Date Sampled: 05/11/10
Matrix:	SO - Soil	Date Received: 05/12/10
Method:	SW846 8015B	Percent Solids: 67.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PF82649.D	1	05/25/10	CY	n/a	n/a	GPF2056
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	91.6	20	4.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	94%		66-119%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PO-27-2D		
Lab Sample ID:	JA46464-6R	Date Sampled:	05/11/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846-8015 SW846 3545	Percent Solids:	67.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y22718.D	1	05/14/10	DNM	05/13/10	OP43563	G3Y685
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	88.0	8.7	4.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	107%		17-148%
16416-32-3	Tetracosane-d50	96%		29-151%
438-22-2	5a-Androstane	90%		19-161%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-19-S8	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-7	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C77890.D	20	05/18/10	MAH	n/a	n/a	V1C3401
Run #2	1C77802.D	100	05/15/10	MAH	n/a	n/a	V1C3397

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	200	57	ug/l	
71-43-2	Benzene	11900 ^a	100	23	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.4	ug/l	
75-25-2	Bromoform	ND	80	4.6	ug/l	
74-83-9	Bromomethane	ND	40	5.9	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	32	ug/l	
75-15-0	Carbon disulfide	ND	40	15	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.1	ug/l	
108-90-7	Chlorobenzene	ND	20	7.8	ug/l	
75-00-3	Chloroethane	ND	20	7.4	ug/l	
67-66-3	Chloroform	ND	20	4.7	ug/l	
74-87-3	Chloromethane	ND	20	5.8	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.3	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	6.7	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	7.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	20	4.3	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	20	5.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	20	4.3	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	5.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.3	ug/l	
100-41-4	Ethylbenzene	513	20	5.4	ug/l	
591-78-6	2-Hexanone	ND	100	28	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	4.7	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	17	ug/l	
75-09-2	Methylene chloride	ND	40	6.1	ug/l	
100-42-5	Styrene	ND	100	12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.8	ug/l	
127-18-4	Tetrachloroethene	ND	20	5.3	ug/l	
108-88-3	Toluene	17.5	20	6.0	ug/l	J
71-55-6	1,1,1-Trichloroethane	ND	20	5.1	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-19-S8	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-7	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	20	4.6	ug/l	
79-01-6	Trichloroethene	ND	20	4.8	ug/l	
75-01-4	Vinyl chloride	ND	20	8.9	ug/l	
1330-20-7	Xylene (total)	1210	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%	95%	76-120%
17060-07-0	1,2-Dichloroethane-D4	91%	95%	64-135%
2037-26-5	Toluene-D8	89%	86%	76-117%
460-00-4	4-Bromofluorobenzene	95%	91%	72-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID: PO-19-S8

Lab Sample ID: JA46464-7

Date Sampled: 05/11/10

Matrix: AQ - Ground Water

Date Received: 05/12/10

Method: SW846 8270C SW846 3510C

Percent Solids: n/a

Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M73679.D	1	05/25/10	LP	05/14/10	OP43586	EM2821
Run #2	M73736.D	20	05/26/10	LP	05/14/10	OP43586	EM2823
Run #3	M73737.D	200	05/26/10	LP	05/14/10	OP43586	EM2823

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	7660 ^a	1000	330	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	31.6	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	12.5	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	0.72	1.0	0.27	ug/l	J
120-12-7	Anthracene	2.4	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	16.0	1.0	0.17	ug/l	
218-01-9	Chrysene	ND	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-S8	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-7	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	4.7	5.0	0.30	ug/l	J
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	1.1	2.0	0.33	ug/l	J
206-44-0	Fluoranthene	3.1	1.0	0.17	ug/l	
86-73-7	Fluorene	4.1	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	34.6	1.0	0.66	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	1210 ^b	20	8.5	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	9.1	1.0	0.21	ug/l	
129-00-0	Pyrene	2.0	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	42%	44%	0% ^c	13-68%
4165-62-2	Phenol-d5	32%	28%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	97%	104%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PO-19-S8	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-7	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	115% ^d	95%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	82%	95%	0% ^c	31-106%
1718-51-0	Terphenyl-d14	86%	109%	0% ^c	14-122%

(a) Result is from Run# 3

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

(d) Outside of in house control limits, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-S8		
Lab Sample ID:	JA46464-7R	Date Sampled:	05/11/10
Matrix:	AQ - Ground Water	Date Received:	05/12/10
Method:	SW846 8015B	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV81900.D	5	05/21/10	CY	n/a	n/a	GUV3239
Run #2	UV81807.D	1	05/19/10	CY	n/a	n/a	GUV3235

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	33.0	1.0	0.056	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	86%	89%	68-114%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	PO-19-S8		
Lab Sample ID:	JA46464-7R	Date Sampled:	05/11/10
Matrix:	AQ - Ground Water	Date Received:	05/12/10
Method:	SW846-8015 SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z23580.D	1	05/14/10	DNM	05/13/10	OP43579	G3Z706
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	14.4	0.10	0.039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	96%		34-139%
16416-32-3	Tetracosane-d50	86%		34-141%
438-22-2	5a-Androstane	96%		26-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	PO-27-5D	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-8	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D168624.D	1	05/21/10	HSS	n/a	n/a	VD6803
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3700	820	ug/kg	
71-43-2	Benzene	3480	370	130	ug/kg	
75-27-4	Bromodichloromethane	ND	1800	95	ug/kg	
75-25-2	Bromoform	ND	1800	56	ug/kg	
74-83-9	Bromomethane	ND	1800	150	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3700	730	ug/kg	
75-15-0	Carbon disulfide	ND	1800	110	ug/kg	
56-23-5	Carbon tetrachloride	ND	1800	200	ug/kg	
108-90-7	Chlorobenzene	ND	1800	130	ug/kg	
75-00-3	Chloroethane	ND	1800	370	ug/kg	
67-66-3	Chloroform	ND	1800	120	ug/kg	
74-87-3	Chloromethane	ND	1800	61	ug/kg	
124-48-1	Dibromochloromethane	ND	1800	41	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1800	51	ug/kg	
107-06-2	1,2-Dichloroethane	ND	370	130	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1800	240	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1800	88	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1800	170	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	1800	88	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1800	48	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1800	49	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1800	35	ug/kg	
100-41-4	Ethylbenzene	31000	370	140	ug/kg	
591-78-6	2-Hexanone	ND	1800	360	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	370	100	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	1800	300	ug/kg	
75-09-2	Methylene chloride	ND	1800	82	ug/kg	
100-42-5	Styrene	ND	1800	39	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1800	110	ug/kg	
127-18-4	Tetrachloroethene	ND	1800	53	ug/kg	
108-88-3	Toluene	60800	370	110	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1800	47	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	PO-27-5D	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-8	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1800	68	ug/kg	
79-01-6	Trichloroethene	ND	1800	190	ug/kg	
75-01-4	Vinyl chloride	ND	1800	66	ug/kg	
1330-20-7	Xylene (total)	168000	740	170	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	89%		65-132%
2037-26-5	Toluene-D8	105%		74-129%
460-00-4	4-Bromofluorobenzene	107%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	PO-27-5D	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-8	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19718.D	1	05/25/10	KLS	05/13/10	OP43577	E3M844
Run #2	3M19735.D	20	05/25/10	LP	05/13/10	OP43577	E3M845
Run #3	3M19736.D	200	05/25/10	LP	05/13/10	OP43577	E3M845

	Initial Weight	Final Volume
Run #1	35.3 g	1.0 ml
Run #2	35.3 g	1.0 ml
Run #3	35.3 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	57	ug/kg	
105-67-9	2,4-Dimethylphenol	1270	180	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	710	43	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	710	43	ug/kg	
95-48-7	2-Methylphenol	ND	71	40	ug/kg	
	3&4-Methylphenol	ND	71	45	ug/kg	
88-75-5	2-Nitrophenol	ND	180	38	ug/kg	
100-02-7	4-Nitrophenol	ND	350	60	ug/kg	
87-86-5	Pentachlorophenol	ND	350	61	ug/kg	
108-95-2	Phenol	ND	71	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	33	ug/kg	
83-32-9	Acenaphthene	65100 ^a	7100	2100	ug/kg	
208-96-8	Acenaphthylene	6620 ^b	710	230	ug/kg	
120-12-7	Anthracene	42100 ^b	710	250	ug/kg	
56-55-3	Benzo(a)anthracene	6310 ^b	710	230	ug/kg	
50-32-8	Benzo(a)pyrene	1460	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	1170	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	434	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	1140	35	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	71	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	71	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	71	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	11	ug/kg	
86-74-8	Carbazole	10400 ^b	1400	330	ug/kg	
218-01-9	Chrysene	5840 ^b	710	240	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	71	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	71	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-5D	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-8	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	71	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	71	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	71	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	71	9.5	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	71	7.9	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	71	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	71	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	187	35	12	ug/kg	
132-64-9	Dibenzofuran	69400 ^b	1400	210	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	71	7.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	71	17	ug/kg	
84-66-2	Diethyl phthalate	ND	71	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	71	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	278	71	31	ug/kg	
206-44-0	Fluoranthene	41100 ^b	710	310	ug/kg	
86-73-7	Fluorene	65000 ^a	7100	2300	ug/kg	
118-74-1	Hexachlorobenzene	ND	71	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.8	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	710	36	ug/kg	
67-72-1	Hexachloroethane	ND	180	9.8	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	426	35	12	ug/kg	
78-59-1	Isophorone	ND	71	9.5	ug/kg	
91-57-6	2-Methylnaphthalene	140000 ^a	14000	4000	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	685000 ^a	7100	1900	ug/kg	
98-95-3	Nitrobenzene	ND	71	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	71	8.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	21	ug/kg	
85-01-8	Phenanthrene	151000 ^a	7100	3200	ug/kg	
129-00-0	Pyrene	29100 ^b	710	270	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	71	9.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	73%	88%	0% ^c	30-109%
4165-62-2	Phenol-d5	70%	87%	48%	28-108%
118-79-6	2,4,6-Tribromophenol	80%	73%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-5D		
Lab Sample ID:	JA46464-8	Date Sampled:	05/11/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	80.0
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	149% ^d	78%	66%	28-113%
321-60-8	2-Fluorobiphenyl	54%	84%	79%	38-107%
1718-51-0	Terphenyl-d14	75%	92%	97%	31-116%

- (a) Result is from Run# 3
 (b) Result is from Run# 2
 (c) Outside control limits due to dilution.
 (d) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-5D						
Lab Sample ID:	JA46464-8R			Date Sampled:	05/11/10		
Matrix:	SO - Soil			Date Received:	05/12/10		
Method:	SW846 8015B			Percent Solids:	80.0		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PF82650.D	1	05/25/10	CY	n/a	n/a	GPF2056
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.2 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1030	15	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	93%		66-119%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	PO-27-5D		
Lab Sample ID:	JA46464-8R	Date Sampled:	05/11/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846-8015 SW846 3545	Percent Solids:	80.0
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z23635.D	1	05/18/10	DNM	05/14/10	OP43591	G3Z707
Run #2	3Z23678.D	10	05/19/10	DNM	05/14/10	OP43591	G3Z708

	Initial Weight	Final Volume
Run #1	17.2 g	1.0 ml
Run #2	17.2 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	7530 ^a	73	36	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	361%	115%	17-148%
16416-32-3	Tetracosane-d50	56%	186% ^b	29-151%
438-22-2	5a-Androstane	556%	140%	19-161%

(a) Result is from Run# 2

(b) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-6D	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-9	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	72.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168622.D	1	05/21/10	HSS	n/a	n/a	VD6803
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	870	190	ug/kg	
71-43-2	Benzene	5820	87	30	ug/kg	
75-27-4	Bromodichloromethane	ND	440	22	ug/kg	
75-25-2	Bromoform	ND	440	13	ug/kg	
74-83-9	Bromomethane	ND	440	35	ug/kg	
78-93-3	2-Butanone (MEK)	ND	870	170	ug/kg	
75-15-0	Carbon disulfide	ND	440	27	ug/kg	
56-23-5	Carbon tetrachloride	ND	440	48	ug/kg	
108-90-7	Chlorobenzene	ND	440	30	ug/kg	
75-00-3	Chloroethane	ND	440	87	ug/kg	
67-66-3	Chloroform	ND	440	28	ug/kg	
74-87-3	Chloromethane	ND	440	14	ug/kg	
124-48-1	Dibromochloromethane	ND	440	9.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	440	12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	87	30	ug/kg	
75-35-4	1,1-Dichloroethene	ND	440	58	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	440	21	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	440	39	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	440	21	ug/kg	
78-87-5	1,2-Dichloropropane	ND	440	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	440	12	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	440	8.4	ug/kg	
100-41-4	Ethylbenzene	1940	87	32	ug/kg	
591-78-6	2-Hexanone	ND	440	84	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	87	25	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	440	71	ug/kg	
75-09-2	Methylene chloride	ND	440	19	ug/kg	
100-42-5	Styrene	ND	440	9.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	440	26	ug/kg	
127-18-4	Tetrachloroethene	ND	440	13	ug/kg	
108-88-3	Toluene	1060	87	26	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	440	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-6D	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-9	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	72.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	440	16	ug/kg	
79-01-6	Trichloroethene	ND	440	46	ug/kg	
75-01-4	Vinyl chloride	ND	440	16	ug/kg	
1330-20-7	Xylene (total)	9830	170	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	89%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	108%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-6D	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-9	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	72.8
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19700.D	1	05/25/10	KLS	05/13/10	OP43577	E3M843
Run #2	3M19753.D	5	05/26/10	LP	05/13/10	OP43577	E3M845

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	200	39	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	63	ug/kg	
105-67-9	2,4-Dimethylphenol	6190 ^a	980	330	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	780	48	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	780	48	ug/kg	
95-48-7	2-Methylphenol	139	78	44	ug/kg	
	3&4-Methylphenol	ND	78	50	ug/kg	
88-75-5	2-Nitrophenol	ND	200	41	ug/kg	
100-02-7	4-Nitrophenol	ND	390	66	ug/kg	
87-86-5	Pentachlorophenol	ND	390	67	ug/kg	
108-95-2	Phenol	ND	78	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	45	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	37	ug/kg	
83-32-9	Acenaphthene	206	39	11	ug/kg	
208-96-8	Acenaphthylene	ND	39	12	ug/kg	
120-12-7	Anthracene	89.9	39	14	ug/kg	
56-55-3	Benzo(a)anthracene	32.8	39	13	ug/kg	J
50-32-8	Benzo(a)pyrene	17.2	39	12	ug/kg	J
205-99-2	Benzo(b)fluoranthene	ND	39	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	39	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	39	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	78	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	78	23	ug/kg	
91-58-7	2-Chloronaphthalene	ND	78	12	ug/kg	
106-47-8	4-Chloroaniline	ND	200	12	ug/kg	
86-74-8	Carbazole	37.0	78	18	ug/kg	J
218-01-9	Chrysene	29.9	39	13	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	78	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	78	12	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	78	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	78	12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-6D	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-9	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	72.8
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	78	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	78	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	78	8.7	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	78	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	78	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	200	9.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	39	13	ug/kg	
132-64-9	Dibenzofuran	193	78	12	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	78	8.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	78	19	ug/kg	
84-66-2	Diethyl phthalate	ND	78	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	78	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	78	34	ug/kg	
206-44-0	Fluoranthene	148	39	17	ug/kg	
86-73-7	Fluorene	176	39	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	78	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	780	40	ug/kg	
67-72-1	Hexachloroethane	ND	200	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	39	14	ug/kg	
78-59-1	Isophorone	ND	78	10	ug/kg	
91-57-6	2-Methylnaphthalene	368	78	22	ug/kg	
88-74-4	2-Nitroaniline	ND	200	17	ug/kg	
99-09-2	3-Nitroaniline	ND	200	16	ug/kg	
100-01-6	4-Nitroaniline	ND	200	15	ug/kg	
91-20-3	Naphthalene	4660 ^a	200	53	ug/kg	
98-95-3	Nitrobenzene	ND	78	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	78	9.5	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	23	ug/kg	
85-01-8	Phenanthrene	497	39	18	ug/kg	
129-00-0	Pyrene	115	39	15	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	78	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	76%	73%	30-109%
4165-62-2	Phenol-d5	75%	72%	28-108%
118-79-6	2,4,6-Tribromophenol	62%	48%	28-125%
4165-60-0	Nitrobenzene-d5	72%	74%	28-113%
321-60-8	2-Fluorobiphenyl	72%	71%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-6D		
Lab Sample ID:	JA46464-9	Date Sampled:	05/11/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	72.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	73%	67%	31-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-7D	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-10	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D168625.D	1	05/21/10	HSS	n/a	n/a	VD6803
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.8 g	5.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	4300	950	ug/kg	
71-43-2	Benzene	535	430	150	ug/kg	
75-27-4	Bromodichloromethane	ND	2100	110	ug/kg	
75-25-2	Bromoform	ND	2100	65	ug/kg	
74-83-9	Bromomethane	ND	2100	170	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4300	840	ug/kg	
75-15-0	Carbon disulfide	ND	2100	130	ug/kg	
56-23-5	Carbon tetrachloride	ND	2100	240	ug/kg	
108-90-7	Chlorobenzene	ND	2100	150	ug/kg	
75-00-3	Chloroethane	ND	2100	430	ug/kg	
67-66-3	Chloroform	ND	2100	140	ug/kg	
74-87-3	Chloromethane	ND	2100	71	ug/kg	
124-48-1	Dibromochloromethane	ND	2100	47	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2100	59	ug/kg	
107-06-2	1,2-Dichloroethane	ND	430	150	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2100	280	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2100	100	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2100	190	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	2100	100	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2100	56	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2100	57	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2100	41	ug/kg	
100-41-4	Ethylbenzene	27000	430	160	ug/kg	
591-78-6	2-Hexanone	ND	2100	410	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	430	120	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2100	350	ug/kg	
75-09-2	Methylene chloride	ND	2100	95	ug/kg	
100-42-5	Styrene	ND	2100	46	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2100	130	ug/kg	
127-18-4	Tetrachloroethene	ND	2100	62	ug/kg	
108-88-3	Toluene	31600	430	120	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2100	55	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-7D	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-10	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2100	79	ug/kg	
79-01-6	Trichloroethene	ND	2100	230	ug/kg	
75-01-4	Vinyl chloride	ND	2100	76	ug/kg	
1330-20-7	Xylene (total)	164000	860	200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	89%		65-132%
2037-26-5	Toluene-D8	106%		74-129%
460-00-4	4-Bromofluorobenzene	108%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-7D		
Lab Sample ID:	JA46464-10	Date Sampled:	05/11/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	75.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19719.D	1	05/25/10	KLS	05/13/10	OP43577	E3M844
Run #2	3M19737.D	20	05/25/10	LP	05/13/10	OP43577	E3M845
Run #3	3M19762.D	1000	05/26/10	KLS	05/13/10	OP43577	E3M846

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml
Run #3	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	38	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	61	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	63	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	750	46	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	750	46	ug/kg	
95-48-7	2-Methylphenol	ND	75	43	ug/kg	
	3&4-Methylphenol	ND	75	48	ug/kg	
88-75-5	2-Nitrophenol	ND	190	40	ug/kg	
100-02-7	4-Nitrophenol	ND	380	64	ug/kg	
87-86-5	Pentachlorophenol	ND	380	65	ug/kg	
108-95-2	Phenol	295	75	40	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	44	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	35	ug/kg	
83-32-9	Acenaphthene	47600 ^a	750	220	ug/kg	
208-96-8	Acenaphthylene	3090	38	12	ug/kg	
120-12-7	Anthracene	25500 ^a	750	260	ug/kg	
56-55-3	Benzo(a)anthracene	7730 ^a	750	250	ug/kg	
50-32-8	Benzo(a)pyrene	2150	38	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	2260	38	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1070	38	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	1860	38	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	75	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	75	22	ug/kg	
91-58-7	2-Chloronaphthalene	ND	75	12	ug/kg	
106-47-8	4-Chloroaniline	ND	190	12	ug/kg	
86-74-8	Carbazole	2730	75	17	ug/kg	
218-01-9	Chrysene	7810 ^a	750	260	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	75	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	75	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-7D	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-10	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	75	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	75	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	75	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	75	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	75	8.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	75	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	75	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	9.6	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	430	38	13	ug/kg	
132-64-9	Dibenzofuran	60500 ^a	1500	220	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	75	8.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	75	18	ug/kg	
84-66-2	Diethyl phthalate	ND	75	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	75	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	75	33	ug/kg	
206-44-0	Fluoranthene	56400 ^a	750	330	ug/kg	
86-73-7	Fluorene	52000 ^a	750	250	ug/kg	
118-74-1	Hexachlorobenzene	ND	75	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	750	38	ug/kg	
67-72-1	Hexachloroethane	ND	190	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1060	38	13	ug/kg	
78-59-1	Isophorone	ND	75	10	ug/kg	
91-57-6	2-Methylnaphthalene	129000 ^b	75000	21000	ug/kg	
88-74-4	2-Nitroaniline	ND	190	17	ug/kg	
99-09-2	3-Nitroaniline	ND	190	15	ug/kg	
100-01-6	4-Nitroaniline	ND	190	15	ug/kg	
91-20-3	Naphthalene	1510000 ^b	38000	10000	ug/kg	
98-95-3	Nitrobenzene	ND	75	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	75	9.2	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	23	ug/kg	
85-01-8	Phenanthrene	203000 ^b	38000	17000	ug/kg	
129-00-0	Pyrene	38000 ^a	750	290	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	75	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	68%	80%	0% ^c	30-109%
4165-62-2	Phenol-d5	67%	87%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	80%	67%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-7D	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-10	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	101%	87%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	56%	84%	0% ^c	38-107%
1718-51-0	Terphenyl-d14	66%	88%	0% ^c	31-116%

- (a) Result is from Run# 2
(b) Result is from Run# 3
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-8D		
Lab Sample ID:	JA46464-11	Date Sampled:	05/11/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8260B	Percent Solids:	77.5
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D168623.D	1	05/21/10	HSS	n/a	n/a	VD6803
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.4 g	5.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3700	830	ug/kg	
71-43-2	Benzene	844	370	130	ug/kg	
75-27-4	Bromodichloromethane	ND	1900	95	ug/kg	
75-25-2	Bromoform	ND	1900	56	ug/kg	
74-83-9	Bromomethane	ND	1900	150	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3700	730	ug/kg	
75-15-0	Carbon disulfide	ND	1900	110	ug/kg	
56-23-5	Carbon tetrachloride	ND	1900	210	ug/kg	
108-90-7	Chlorobenzene	ND	1900	130	ug/kg	
75-00-3	Chloroethane	ND	1900	370	ug/kg	
67-66-3	Chloroform	ND	1900	120	ug/kg	
74-87-3	Chloromethane	ND	1900	61	ug/kg	
124-48-1	Dibromochloromethane	ND	1900	41	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1900	51	ug/kg	
107-06-2	1,2-Dichloroethane	ND	370	130	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1900	250	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1900	89	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1900	170	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	1900	89	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1900	48	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1900	49	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1900	36	ug/kg	
100-41-4	Ethylbenzene	19700	370	140	ug/kg	
591-78-6	2-Hexanone	ND	1900	360	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	370	100	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	1900	300	ug/kg	
75-09-2	Methylene chloride	ND	1900	83	ug/kg	
100-42-5	Styrene	ND	1900	40	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1900	110	ug/kg	
127-18-4	Tetrachloroethene	ND	1900	54	ug/kg	
108-88-3	Toluene	58800	370	110	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1900	48	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-8D	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-11	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	77.5
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1900	69	ug/kg	
79-01-6	Trichloroethene	ND	1900	200	ug/kg	
75-01-4	Vinyl chloride	ND	1900	66	ug/kg	
1330-20-7	Xylene (total)	114000	740	170	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	89%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	105%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-8D		
Lab Sample ID:	JA46464-11	Date Sampled:	05/11/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	77.5
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19720.D	1	05/25/10	KLS	05/13/10	OP43577	E3M844
Run #2	3M19739.D	20	05/25/10	LP	05/13/10	OP43577	E3M845
Run #3	3M19740.D	200	05/25/10	LP	05/13/10	OP43577	E3M845

	Initial Weight	Final Volume
Run #1	35.4 g	1.0 ml
Run #2	35.4 g	1.0 ml
Run #3	35.4 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	37	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	59	ug/kg	
105-67-9	2,4-Dimethylphenol	808	180	61	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	730	44	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	730	44	ug/kg	
95-48-7	2-Methylphenol	ND	73	42	ug/kg	
	3&4-Methylphenol	160	73	46	ug/kg	
88-75-5	2-Nitrophenol	ND	180	39	ug/kg	
100-02-7	4-Nitrophenol	ND	360	62	ug/kg	
87-86-5	Pentachlorophenol	ND	360	62	ug/kg	
108-95-2	Phenol	ND	73	38	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	43400 ^a	730	210	ug/kg	
208-96-8	Acenaphthylene	4940 ^a	730	230	ug/kg	
120-12-7	Anthracene	22300 ^a	730	260	ug/kg	
56-55-3	Benzo(a)anthracene	5530 ^a	730	240	ug/kg	
50-32-8	Benzo(a)pyrene	2560	36	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	1900	36	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1040	36	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	1520	36	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	13	ug/kg	
85-68-7	Butyl benzyl phthalate	73.5	73	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	8080 ^a	1500	340	ug/kg	
218-01-9	Chrysene	5180 ^a	730	250	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-8D	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-11	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	77.5
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	73	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	73	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	73	9.8	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	73	8.1	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	73	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	73	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	375	36	12	ug/kg	
132-64-9	Dibenzofuran	41200 ^a	1500	220	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	8.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	18	ug/kg	
84-66-2	Diethyl phthalate	ND	73	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	73	32	ug/kg	
206-44-0	Fluoranthene	26500 ^a	730	320	ug/kg	
86-73-7	Fluorene	39700 ^a	730	240	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	730	37	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1010	36	13	ug/kg	
78-59-1	Isophorone	ND	73	9.8	ug/kg	
91-57-6	2-Methylnaphthalene	124000 ^b	15000	4100	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	15	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	539000 ^b	7300	2000	ug/kg	
98-95-3	Nitrobenzene	ND	73	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	8.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	22	ug/kg	
85-01-8	Phenanthrene	92800 ^b	7300	3300	ug/kg	
129-00-0	Pyrene	19600 ^a	730	280	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	73	9.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	82%	100%	68%	30-109%
4165-62-2	Phenol-d5	79%	99%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	136% ^d	76%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-8D	Date Sampled:	05/11/10
Lab Sample ID:	JA46464-11	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	77.5
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	138% ^d	96%	79%	28-113%
321-60-8	2-Fluorobiphenyl	71%	98%	98%	38-107%
1718-51-0	Terphenyl-d14	80%	102%	104%	31-116%

- (a) Result is from Run# 2
(b) Result is from Run# 3
(c) Outside control limits due to dilution.
(d) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-S7	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-12	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C77892.D	20	05/18/10	MAH	n/a	n/a	V1C3401
Run #2	1C77803.D	50	05/15/10	MAH	n/a	n/a	V1C3397

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	505	200	57	ug/l	
71-43-2	Benzene	655	20	4.7	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.4	ug/l	
75-25-2	Bromoform	ND	80	4.6	ug/l	
74-83-9	Bromomethane	ND	40	5.9	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	32	ug/l	
75-15-0	Carbon disulfide	ND	40	15	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.1	ug/l	
108-90-7	Chlorobenzene	ND	20	7.8	ug/l	
75-00-3	Chloroethane	ND	20	7.4	ug/l	
67-66-3	Chloroform	ND	20	4.7	ug/l	
74-87-3	Chloromethane	24.1	20	5.8	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.3	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	6.7	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	7.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	20	4.3	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	20	5.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	20	4.3	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	5.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.3	ug/l	
100-41-4	Ethylbenzene	1220	20	5.4	ug/l	
591-78-6	2-Hexanone	ND	100	28	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	4.7	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	17	ug/l	
75-09-2	Methylene chloride	ND	40	6.1	ug/l	
100-42-5	Styrene	ND	100	12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.8	ug/l	
127-18-4	Tetrachloroethene	ND	20	5.3	ug/l	
108-88-3	Toluene	4570 ^a	50	15	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	5.1	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-S7	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-12	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	20	4.6	ug/l	
79-01-6	Trichloroethene	ND	20	4.8	ug/l	
75-01-4	Vinyl chloride	ND	20	8.9	ug/l	
1330-20-7	Xylene (total)	5250	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%	96%	76-120%
17060-07-0	1,2-Dichloroethane-D4	92%	96%	64-135%
2037-26-5	Toluene-D8	89%	85%	76-117%
460-00-4	4-Bromofluorobenzene	92%	90%	72-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3.16

3

Client Sample ID:	PO-19-S7	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-12	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M73680.D	1	05/25/10	LP	05/14/10	OP43586	EM2821
Run #2	M73715.D	20	05/25/10	LP	05/14/10	OP43586	EM2822
Run #3	M73761.D	100	05/26/10	LP	05/14/10	OP43586	EM2824

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	192 ^a	100	33	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	46.4	2.0	1.1	ug/l	
	3&4-Methylphenol	85.6	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	88.8	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	75.6	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	1.9	1.0	0.27	ug/l	
120-12-7	Anthracene	13.5	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	0.42	1.0	0.095	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.45	1.0	0.25	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	53.7	1.0	0.17	ug/l	
218-01-9	Chrysene	0.77	1.0	0.11	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-S7	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-12	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	58.1	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	8.7	1.0	0.17	ug/l	
86-73-7	Fluorene	41.4	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	271 ^a	20	13	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	4350 ^b	100	43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	53.3	1.0	0.21	ug/l	
129-00-0	Pyrene	5.6	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	118% ^d	130% ^c	0% ^c	13-68%
4165-62-2	Phenol-d5	39%	42%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	94%	110%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-S7	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-12	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	71%	99%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	78%	91%	0% ^c	31-106%
1718-51-0	Terphenyl-d14	59%	81%	0% ^c	14-122%

- (a) Result is from Run# 2
 (b) Result is from Run# 3
 (c) Outside control limits due to dilution.
 (d) Outside of in house control limits, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PO-19-S7		
Lab Sample ID:	JA46464-12R	Date Sampled:	05/12/10
Matrix:	AQ - Ground Water	Date Received:	05/12/10
Method:	SW846-8015 SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z23581.D	1	05/15/10	DNM	05/13/10	OP43579	G3Z706
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	15.6	0.10	0.039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	85%		34-139%
16416-32-3	Tetracosane-d50	81%		34-141%
438-22-2	5a-Androstane	76%		26-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-27-3S	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-13	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	80.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S131701.D	1	05/25/10	AVM	n/a	n/a	VS5402
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	10.9	14	3.0	ug/kg	J
71-43-2	Benzene	ND	1.4	0.46	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	0.35	ug/kg	
75-25-2	Bromoform	ND	6.8	0.20	ug/kg	
74-83-9	Bromomethane	ND	6.8	0.55	ug/kg	
78-93-3	2-Butanone (MEK)	ND	14	2.7	ug/kg	
75-15-0	Carbon disulfide	9.6	6.8	0.41	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	0.75	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	0.46	ug/kg	
75-00-3	Chloroethane	ND	6.8	1.4	ug/kg	
67-66-3	Chloroform	ND	6.8	0.43	ug/kg	
74-87-3	Chloromethane	ND	6.8	0.22	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	0.15	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	0.19	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.8	0.90	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.8	0.32	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.8	0.61	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6.8	0.32	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.8	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	0.13	ug/kg	
100-41-4	Ethylbenzene	0.91	1.4	0.50	ug/kg	J
591-78-6	2-Hexanone	ND	6.8	1.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.4	0.38	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.8	1.1	ug/kg	
75-09-2	Methylene chloride	5.3	6.8	0.30	ug/kg	J
100-42-5	Styrene	ND	6.8	0.15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	0.40	ug/kg	
127-18-4	Tetrachloroethene	0.61	6.8	0.20	ug/kg	J
108-88-3	Toluene	2.0	1.4	0.40	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	0.17	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID:	PO-27-3S	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-13	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	80.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	6.8	0.25	ug/kg	
79-01-6	Trichloroethene	ND	6.8	0.71	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	0.24	ug/kg	
1330-20-7	Xylene (total)	3.5	2.7	0.64	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		67-127%
17060-07-0	1,2-Dichloroethane-D4	101%		65-132%
2037-26-5	Toluene-D8	84%		74-129%
460-00-4	4-Bromofluorobenzene	72%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-3S		
Lab Sample ID:	JA46464-13	Date Sampled:	05/12/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	80.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19702.D	1	05/25/10	KLS	05/13/10	OP43577	E3M843
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	57	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	60	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	710	43	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	710	43	ug/kg	
95-48-7	2-Methylphenol	ND	71	41	ug/kg	
	3&4-Methylphenol	ND	71	45	ug/kg	
88-75-5	2-Nitrophenol	ND	180	38	ug/kg	
100-02-7	4-Nitrophenol	ND	360	60	ug/kg	
87-86-5	Pentachlorophenol	ND	360	61	ug/kg	
108-95-2	Phenol	ND	71	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	33	ug/kg	
83-32-9	Acenaphthene	395	36	10	ug/kg	
208-96-8	Acenaphthylene	17.4	36	11	ug/kg	J
120-12-7	Anthracene	257	36	12	ug/kg	
56-55-3	Benzo(a)anthracene	113	36	12	ug/kg	
50-32-8	Benzo(a)pyrene	64.2	36	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	48.2	36	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	31.0	36	13	ug/kg	J
207-08-9	Benzo(k)fluoranthene	48.2	36	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	71	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	71	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	71	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	11	ug/kg	
86-74-8	Carbazole	458	71	16	ug/kg	
218-01-9	Chrysene	109	36	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	71	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	71	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	71	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	71	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-3S	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-13	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	80.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	71	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	71	9.5	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	71	7.9	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	71	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	71	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	17.2	36	12	ug/kg	J
132-64-9	Dibenzofuran	630	71	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	71	7.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	71	17	ug/kg	
84-66-2	Diethyl phthalate	ND	71	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	71	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	71	31	ug/kg	
206-44-0	Fluoranthene	307	36	16	ug/kg	
86-73-7	Fluorene	833	36	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	71	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	9.9	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	710	36	ug/kg	
67-72-1	Hexachloroethane	ND	180	9.9	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	29.0	36	12	ug/kg	J
78-59-1	Isophorone	ND	71	9.6	ug/kg	
91-57-6	2-Methylnaphthalene	141	71	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	645	36	9.7	ug/kg	
98-95-3	Nitrobenzene	ND	71	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	71	8.7	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	21	ug/kg	
85-01-8	Phenanthrene	671	36	16	ug/kg	
129-00-0	Pyrene	325	36	14	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	71	9.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	75%		30-109%
4165-62-2	Phenol-d5	76%		28-108%
118-79-6	2,4,6-Tribromophenol	69%		28-125%
4165-60-0	Nitrobenzene-d5	72%		28-113%
321-60-8	2-Fluorobiphenyl	71%		38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-3S		
Lab Sample ID:	JA46464-13	Date Sampled:	05/12/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	80.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	78%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-4S	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-14	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	80.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168766.D	1	05/25/10	HSS	n/a	n/a	VD6809
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.3 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	710	160	ug/kg	
71-43-2	Benzene	113	71	24	ug/kg	
75-27-4	Bromodichloromethane	ND	360	18	ug/kg	
75-25-2	Bromoform	ND	360	11	ug/kg	
74-83-9	Bromomethane	ND	360	29	ug/kg	
78-93-3	2-Butanone (MEK)	ND	710	140	ug/kg	
75-15-0	Carbon disulfide	ND	360	22	ug/kg	
56-23-5	Carbon tetrachloride	ND	360	39	ug/kg	
108-90-7	Chlorobenzene	ND	360	24	ug/kg	
75-00-3	Chloroethane	ND	360	71	ug/kg	
67-66-3	Chloroform	ND	360	23	ug/kg	
74-87-3	Chloromethane	ND	360	12	ug/kg	
124-48-1	Dibromochloromethane	ND	360	7.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	360	9.8	ug/kg	
107-06-2	1,2-Dichloroethane	ND	71	25	ug/kg	
75-35-4	1,1-Dichloroethene	ND	360	47	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	360	17	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	360	32	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	360	17	ug/kg	
78-87-5	1,2-Dichloropropane	ND	360	9.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	360	9.5	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	360	6.8	ug/kg	
100-41-4	Ethylbenzene	57.0	71	26	ug/kg	J
591-78-6	2-Hexanone	ND	360	69	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	71	20	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	360	58	ug/kg	
75-09-2	Methylene chloride	ND	360	16	ug/kg	
100-42-5	Styrene	ND	360	7.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	360	21	ug/kg	
127-18-4	Tetrachloroethene	ND	360	10	ug/kg	
108-88-3	Toluene	ND	71	21	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	360	9.1	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID:	PO-27-4S	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-14	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	80.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	360	13	ug/kg	
79-01-6	Trichloroethene	ND	360	37	ug/kg	
75-01-4	Vinyl chloride	ND	360	13	ug/kg	
1330-20-7	Xylene (total)	520	140	33	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		67-127%
17060-07-0	1,2-Dichloroethane-D4	93%		65-132%
2037-26-5	Toluene-D8	106%		74-129%
460-00-4	4-Bromofluorobenzene	126%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-27-4S		
Lab Sample ID:	JA46464-14	Date Sampled:	05/12/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	80.2
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19721.D	1	05/25/10	KLS	05/13/10	OP43577	E3M844
Run #2	3M19741.D	20	05/25/10	LP	05/13/10	OP43577	E3M845

	Initial Weight	Final Volume
Run #1	35.4 g	1.0 ml
Run #2	35.4 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	57	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	700	43	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	700	43	ug/kg	
95-48-7	2-Methylphenol	ND	70	40	ug/kg	
	3&4-Methylphenol	ND	70	45	ug/kg	
88-75-5	2-Nitrophenol	ND	180	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	60	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	ND	70	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	33	ug/kg	
83-32-9	Acenaphthene	18800 ^a	700	200	ug/kg	
208-96-8	Acenaphthylene	821	35	11	ug/kg	
120-12-7	Anthracene	9160 ^a	700	250	ug/kg	
56-55-3	Benzo(a)anthracene	5980 ^a	700	230	ug/kg	
50-32-8	Benzo(a)pyrene	2550	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	1950	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1020	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	1260	35	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	11	ug/kg	
86-74-8	Carbazole	659	70	16	ug/kg	
218-01-9	Chrysene	5590 ^a	700	240	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	70	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	70	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-4S	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-14	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	80.2
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	70	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	70	9.4	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	70	7.9	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	8.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	349	35	12	ug/kg	
132-64-9	Dibenzofuran	13100 ^a	1400	210	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	7.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	17	ug/kg	
84-66-2	Diethyl phthalate	ND	70	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	31	ug/kg	
206-44-0	Fluoranthene	15700 ^a	700	310	ug/kg	
86-73-7	Fluorene	14800 ^a	700	230	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.8	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	36	ug/kg	
67-72-1	Hexachloroethane	ND	180	9.8	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	951	35	12	ug/kg	
78-59-1	Isophorone	ND	70	9.5	ug/kg	
91-57-6	2-Methylnaphthalene	1210	70	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	15	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	810	35	9.6	ug/kg	
98-95-3	Nitrobenzene	ND	70	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	8.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	21	ug/kg	
85-01-8	Phenanthrene	31800 ^a	700	320	ug/kg	
129-00-0	Pyrene	16000 ^a	700	270	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	70	9.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	81%	83%	30-109%
4165-62-2	Phenol-d5	84%	89%	28-108%
118-79-6	2,4,6-Tribromophenol	122%	70%	28-125%
4165-60-0	Nitrobenzene-d5	87%	99%	28-113%
321-60-8	2-Fluorobiphenyl	78%	95%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-4S		
Lab Sample ID:	JA46464-14	Date Sampled:	05/12/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	80.2
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	66%	98%	31-116%

(a) Result is from Run# 2

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-4D		
Lab Sample ID:	JA46464-15	Date Sampled:	05/12/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8260B	Percent Solids:	72.9
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D168678.D	1	05/22/10	HSS	n/a	n/a	VD6805
Run #2	D168752.D	1	05/25/10	HSS	n/a	n/a	VD6809

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	20.0 ul
Run #2	5.1 g	5.0 ml	5.0 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	4300	960	ug/kg	
71-43-2	Benzene	41600	430	150	ug/kg	
75-27-4	Bromodichloromethane	ND	2100	110	ug/kg	
75-25-2	Bromoform	ND	2100	65	ug/kg	
74-83-9	Bromomethane	ND	2100	170	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4300	850	ug/kg	
75-15-0	Carbon disulfide	ND	2100	130	ug/kg	
56-23-5	Carbon tetrachloride	ND	2100	240	ug/kg	
108-90-7	Chlorobenzene	ND	2100	150	ug/kg	
75-00-3	Chloroethane	ND	2100	430	ug/kg	
67-66-3	Chloroform	ND	2100	140	ug/kg	
74-87-3	Chloromethane	ND	2100	71	ug/kg	
124-48-1	Dibromochloromethane	ND	2100	47	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2100	59	ug/kg	
107-06-2	1,2-Dichloroethane	ND	430	150	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2100	280	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2100	100	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2100	190	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	2100	100	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2100	56	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2100	57	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2100	41	ug/kg	
100-41-4	Ethylbenzene	89700 ^a	1700	640	ug/kg	
591-78-6	2-Hexanone	ND	2100	410	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	430	120	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2100	350	ug/kg	
75-09-2	Methylene chloride	ND	2100	96	ug/kg	
100-42-5	Styrene	ND	2100	46	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2100	130	ug/kg	
127-18-4	Tetrachloroethene	ND	2100	62	ug/kg	
108-88-3	Toluene	74600	430	130	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2100	55	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-27-4D	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-15	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	72.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2100	79	ug/kg	
79-01-6	Trichloroethene	ND	2100	230	ug/kg	
75-01-4	Vinyl chloride	ND	2100	76	ug/kg	
1330-20-7	Xylene (total)	448000 ^a	3400	810	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	96%	67-127%
17060-07-0	1,2-Dichloroethane-D4	93%	93%	65-132%
2037-26-5	Toluene-D8	105%	102%	74-129%
460-00-4	4-Bromofluorobenzene	108%	104%	62-138%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: PO-27-4D

Lab Sample ID: JA46464-15

Date Sampled: 05/12/10

Matrix: SO - Soil

Date Received: 05/12/10

Method: SW846 8270C SW846 3550B

Percent Solids: 72.9

Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19722.D	1	05/25/10	KLS	05/13/10	OP43577	E3M844
Run #2	3M19742.D	20	05/26/10	LP	05/13/10	OP43577	E3M845
Run #3	3M19743.D	200	05/26/10	LP	05/13/10	OP43577	E3M845

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml
Run #3	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	39	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	63	ug/kg	
105-67-9	2,4-Dimethylphenol	3360	190	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	780	48	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	780	48	ug/kg	
95-48-7	2-Methylphenol	232	78	44	ug/kg	
	3&4-Methylphenol	279	78	49	ug/kg	
88-75-5	2-Nitrophenol	ND	190	41	ug/kg	
100-02-7	4-Nitrophenol	ND	390	66	ug/kg	
87-86-5	Pentachlorophenol	ND	390	67	ug/kg	
108-95-2	Phenol	417	78	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	45	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	37	ug/kg	
83-32-9	Acenaphthene	16900 ^a	780	230	ug/kg	
208-96-8	Acenaphthylene	1050	39	12	ug/kg	
120-12-7	Anthracene	7620 ^a	780	270	ug/kg	
56-55-3	Benzo(a)anthracene	800	39	13	ug/kg	
50-32-8	Benzo(a)pyrene	439	39	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	340	39	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	204	39	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	295	39	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	78	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	78	23	ug/kg	
91-58-7	2-Chloronaphthalene	ND	78	12	ug/kg	
106-47-8	4-Chloroaniline	ND	190	12	ug/kg	
86-74-8	Carbazole	7960 ^a	1600	360	ug/kg	
218-01-9	Chrysene	746	39	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	78	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	78	12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-4D	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-15	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	72.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	78	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	78	12	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	78	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	78	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	78	8.7	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	78	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	78	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	9.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	79.2	39	13	ug/kg	
132-64-9	Dibenzofuran	16000 ^a	1600	230	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	78	8.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	78	19	ug/kg	
84-66-2	Diethyl phthalate	ND	78	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	78	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	78	34	ug/kg	
206-44-0	Fluoranthene	8410 ^a	780	340	ug/kg	
86-73-7	Fluorene	15700 ^a	780	260	ug/kg	
118-74-1	Hexachlorobenzene	ND	78	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	780	40	ug/kg	
67-72-1	Hexachloroethane	ND	190	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	189	39	14	ug/kg	
78-59-1	Isophorone	ND	78	10	ug/kg	
91-57-6	2-Methylnaphthalene	32200 ^a	1600	430	ug/kg	
88-74-4	2-Nitroaniline	ND	190	17	ug/kg	
99-09-2	3-Nitroaniline	ND	190	16	ug/kg	
100-01-6	4-Nitroaniline	ND	190	15	ug/kg	
91-20-3	Naphthalene	122000 ^b	7800	2100	ug/kg	
98-95-3	Nitrobenzene	ND	78	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	78	9.5	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	23	ug/kg	
85-01-8	Phenanthrene	39000 ^a	780	350	ug/kg	
129-00-0	Pyrene	5940 ^a	780	300	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	78	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	70%	95%	0% ^c	30-109%
4165-62-2	Phenol-d5	65%	98%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	68%	71%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-4D	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-15	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	72.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	67%	90%	53%	28-113%
321-60-8	2-Fluorobiphenyl	68%	95%	70%	38-107%
1718-51-0	Terphenyl-d14	71%	96%	75%	31-116%

- (a) Result is from Run# 2
(b) Result is from Run# 3
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-3D		
Lab Sample ID:	JA46464-16	Date Sampled:	05/12/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8260B	Percent Solids:	80.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D168679.D	1	05/22/10	HSS	n/a	n/a	VD6805
Run #2	D168724.D	1	05/24/10	HSS	n/a	n/a	VD6807

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.2 g	5.0 ml	20.0 ul
Run #2	5.2 g	5.0 ml	4.0 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3600	800	ug/kg	
71-43-2	Benzene	5470	360	120	ug/kg	
75-27-4	Bromodichloromethane	ND	1800	92	ug/kg	
75-25-2	Bromoform	ND	1800	54	ug/kg	
74-83-9	Bromomethane	ND	1800	140	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3600	700	ug/kg	
75-15-0	Carbon disulfide	ND	1800	110	ug/kg	
56-23-5	Carbon tetrachloride	ND	1800	200	ug/kg	
108-90-7	Chlorobenzene	ND	1800	120	ug/kg	
75-00-3	Chloroethane	ND	1800	360	ug/kg	
67-66-3	Chloroform	ND	1800	110	ug/kg	
74-87-3	Chloromethane	ND	1800	59	ug/kg	
124-48-1	Dibromochloromethane	ND	1800	39	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1800	49	ug/kg	
107-06-2	1,2-Dichloroethane	ND	360	120	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1800	240	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1800	85	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1800	160	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	1800	85	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1800	46	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1800	48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1800	34	ug/kg	
100-41-4	Ethylbenzene	96800 ^a	1800	660	ug/kg	
591-78-6	2-Hexanone	ND	1800	340	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	360	100	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	1800	290	ug/kg	
75-09-2	Methylene chloride	ND	1800	80	ug/kg	
100-42-5	Styrene	ND	1800	38	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1800	100	ug/kg	
127-18-4	Tetrachloroethene	ND	1800	52	ug/kg	
108-88-3	Toluene	181000 ^a	1800	520	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1800	46	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-3D	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-16	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	80.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1800	66	ug/kg	
79-01-6	Trichloroethene	ND	1800	190	ug/kg	
75-01-4	Vinyl chloride	ND	1800	64	ug/kg	
1330-20-7	Xylene (total)	479000 ^a	3600	840	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%	95%	67-127%
17060-07-0	1,2-Dichloroethane-D4	92%	91%	65-132%
2037-26-5	Toluene-D8	110%	105%	74-129%
460-00-4	4-Bromofluorobenzene	121%	107%	62-138%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-3D		
Lab Sample ID:	JA46464-16	Date Sampled:	05/12/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	80.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19723.D	1	05/25/10	KLS	05/13/10	OP43577	E3M844
Run #2	3M19745.D	500	05/26/10	LP	05/13/10	OP43577	E3M845
Run #3	3M19763.D	2500	05/26/10	KLS	05/13/10	OP43577	E3M846

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml
Run #3	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	57	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	700	43	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	700	43	ug/kg	
95-48-7	2-Methylphenol	ND	70	40	ug/kg	
	3&4-Methylphenol	ND	70	45	ug/kg	
88-75-5	2-Nitrophenol	ND	180	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	59	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	ND	70	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	33	ug/kg	
83-32-9	Acenaphthene	222000 ^a	18000	5100	ug/kg	
208-96-8	Acenaphthylene	26800 ^a	18000	5600	ug/kg	
120-12-7	Anthracene	108000 ^a	18000	6200	ug/kg	
56-55-3	Benzo(a)anthracene	35100 ^a	18000	5700	ug/kg	
50-32-8	Benzo(a)pyrene	24100 ^a	18000	5400	ug/kg	
205-99-2	Benzo(b)fluoranthene	17700 ^a	18000	5900	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	11300 ^a	18000	6500	ug/kg	J
207-08-9	Benzo(k)fluoranthene	18300 ^a	18000	6600	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	11	ug/kg	
86-74-8	Carbazole	19800 ^a	35000	8100	ug/kg	J
218-01-9	Chrysene	32100 ^a	18000	5900	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	70	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-3D	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-16	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	80.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	70	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	70	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	70	9.4	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	70	7.9	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	8.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	3440	35	12	ug/kg	
132-64-9	Dibenzofuran	207000 ^a	35000	5200	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	7.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	17	ug/kg	
84-66-2	Diethyl phthalate	ND	70	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	31	ug/kg	
206-44-0	Fluoranthene	164000 ^a	18000	7800	ug/kg	
86-73-7	Fluorene	194000 ^a	18000	5800	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.8	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	36	ug/kg	
67-72-1	Hexachloroethane	ND	180	9.8	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	10500 ^a	18000	6100	ug/kg	J
78-59-1	Isophorone	ND	70	9.5	ug/kg	
91-57-6	2-Methylnaphthalene	543000 ^a	35000	9800	ug/kg	
88-74-4	2-Nitroaniline	ND	180	15	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	2580000 ^b	88000	24000	ug/kg	
98-95-3	Nitrobenzene	ND	70	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	8.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	21	ug/kg	
85-01-8	Phenanthrene	506000 ^a	18000	8000	ug/kg	
129-00-0	Pyrene	120000 ^a	18000	6800	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	70	9.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	72%	0% ^c	0% ^c	30-109%
4165-62-2	Phenol-d5	75%	0% ^c	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	169% ^d	0% ^c	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-3D		
Lab Sample ID:	JA46464-16	Date Sampled:	05/12/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	80.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	100%	0% ^c	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	75%	0% ^c	0% ^c	38-107%
1718-51-0	Terphenyl-d14	96%	113%	0% ^c	31-116%

- (a) Result is from Run# 2
 (b) Result is from Run# 3
 (c) Outside control limits due to dilution.
 (d) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-S6	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-17	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C77891.D	100	05/18/10	MAH	n/a	n/a	V1C3401
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1000	290	ug/l	
71-43-2	Benzene	5890	100	23	ug/l	
75-27-4	Bromodichloromethane	ND	100	22	ug/l	
75-25-2	Bromoform	ND	400	23	ug/l	
74-83-9	Bromomethane	ND	200	30	ug/l	
78-93-3	2-Butanone (MEK)	ND	1000	160	ug/l	
75-15-0	Carbon disulfide	ND	200	74	ug/l	
56-23-5	Carbon tetrachloride	ND	100	26	ug/l	
108-90-7	Chlorobenzene	ND	100	39	ug/l	
75-00-3	Chloroethane	ND	100	37	ug/l	
67-66-3	Chloroform	ND	100	23	ug/l	
74-87-3	Chloromethane	ND	100	29	ug/l	
124-48-1	Dibromochloromethane	ND	100	22	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	29	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	33	ug/l	
75-35-4	1,1-Dichloroethene	ND	100	40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	100	22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	100	25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	100	22	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	21	ug/l	
100-41-4	Ethylbenzene	1850	100	27	ug/l	
591-78-6	2-Hexanone	ND	500	140	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	100	23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	500	86	ug/l	
75-09-2	Methylene chloride	ND	200	30	ug/l	
100-42-5	Styrene	ND	500	58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	24	ug/l	
127-18-4	Tetrachloroethene	ND	100	27	ug/l	
108-88-3	Toluene	12400	100	30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-S6	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-17	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	100	23	ug/l	
79-01-6	Trichloroethene	ND	100	24	ug/l	
75-01-4	Vinyl chloride	ND	100	44	ug/l	
1330-20-7	Xylene (total)	7500	100	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		76-120%
17060-07-0	1,2-Dichloroethane-D4	91%		64-135%
2037-26-5	Toluene-D8	90%		76-117%
460-00-4	4-Bromofluorobenzene	94%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: PO-19-S6
Lab Sample ID: JA46464-17
Matrix: AQ - Ground Water
Method: SW846 8270C SW846 3510C
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 05/12/10
Date Received: 05/12/10
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M73617.D	1	05/21/10	KLS	05/14/10	OP43586	EM2818
Run #2	M73690.D	10	05/25/10	LP	05/14/10	OP43586	EM2821
Run #3	M73714.D	200	05/25/10	LP	05/14/10	OP43586	EM2822

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	2430 ^a	1000	330	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	92.5	2.0	1.1	ug/l	
	3&4-Methylphenol	146 ^b	20	10	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	38.6	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	501 ^b	10	3.7	ug/l	
208-96-8	Acenaphthylene	19.8	1.0	0.27	ug/l	
120-12-7	Anthracene	181 ^b	10	1.6	ug/l	
56-55-3	Benzo(a)anthracene	36.2	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	18.1	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	19.7	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	8.4	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	7.8	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	172 ^b	10	1.7	ug/l	
218-01-9	Chrysene	28.2	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-S6	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-17	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	2.9	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	445 ^b	50	3.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	2.7	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	12.4	2.0	0.33	ug/l	
206-44-0	Fluoranthene	190 ^b	10	1.7	ug/l	
86-73-7	Fluorene	380 ^b	10	2.7	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	8.1	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	1780 ^a	200	130	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	11800 ^a	200	85	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	649 ^b	10	2.1	ug/l	
129-00-0	Pyrene	140 ^b	10	1.6	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	104% ^d	125% ^c	0% ^c	13-68%
4165-62-2	Phenol-d5	30%	33%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	83%	100%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-S6	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-17	Date Received:	05/12/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	28%	99%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	75%	101%	0% ^c	31-106%
1718-51-0	Terphenyl-d14	67%	86%	0% ^c	14-122%

- (a) Result is from Run# 3
 (b) Result is from Run# 2
 (c) Outside control limits due to dilution.
 (d) Outside of in house control limits, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Client Sample ID:	PO-19-S6		
Lab Sample ID:	JA46464-17R	Date Sampled:	05/12/10
Matrix:	AQ - Ground Water	Date Received:	05/12/10
Method:	SW846 8015B	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV81877.D	5	05/21/10	CY	n/a	n/a	GUV3238
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	71.5	1.0	0.056	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	88%		68-114%		

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-S6		
Lab Sample ID:	JA46464-17R	Date Sampled:	05/12/10
Matrix:	AQ - Ground Water	Date Received:	05/12/10
Method:	SW846-8015 SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z23582.D	1	05/15/10	DNM	05/13/10	OP43579	G3Z706
Run #2	3Z23639.D	10	05/18/10	DNM	05/13/10	OP43579	G3Z707

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	67.3 ^a	1.0	0.39	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	115%	65%	34-139%
16416-32-3	Tetracosane-d50	36%	129%	34-141%
438-22-2	5a-Androstane	122%	115%	26-140%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-I		
Lab Sample ID:	JA46464-18	Date Sampled:	05/12/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8260B	Percent Solids:	75.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168675.D	1	05/22/10	HSS	n/a	n/a	VD6805
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.9 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	840	190	ug/kg	
71-43-2	Benzene	ND	84	29	ug/kg	
75-27-4	Bromodichloromethane	ND	420	22	ug/kg	
75-25-2	Bromoform	ND	420	13	ug/kg	
74-83-9	Bromomethane	ND	420	34	ug/kg	
78-93-3	2-Butanone (MEK)	ND	840	170	ug/kg	
75-15-0	Carbon disulfide	363	420	26	ug/kg	J
56-23-5	Carbon tetrachloride	ND	420	47	ug/kg	
108-90-7	Chlorobenzene	ND	420	28	ug/kg	
75-00-3	Chloroethane	ND	420	84	ug/kg	
67-66-3	Chloroform	ND	420	27	ug/kg	
74-87-3	Chloromethane	ND	420	14	ug/kg	
124-48-1	Dibromochloromethane	ND	420	9.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	420	12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	84	29	ug/kg	
75-35-4	1,1-Dichloroethene	ND	420	56	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	420	20	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	420	38	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	420	20	ug/kg	
78-87-5	1,2-Dichloropropane	ND	420	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	420	11	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	420	8.1	ug/kg	
100-41-4	Ethylbenzene	546	84	31	ug/kg	
591-78-6	2-Hexanone	ND	420	81	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	84	24	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	420	68	ug/kg	
75-09-2	Methylene chloride	ND	420	19	ug/kg	
100-42-5	Styrene	ND	420	9.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	420	25	ug/kg	
127-18-4	Tetrachloroethene	ND	420	12	ug/kg	
108-88-3	Toluene	127	84	25	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	420	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID:	PO-11-I	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-18	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	75.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	420	16	ug/kg	
79-01-6	Trichloroethene	ND	420	44	ug/kg	
75-01-4	Vinyl chloride	ND	420	15	ug/kg	
1330-20-7	Xylene (total)	627	170	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	91%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	109%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-I		
Lab Sample ID:	JA46464-18	Date Sampled:	05/12/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	75.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19704.D	1	05/25/10	KLS	05/13/10	OP43577	E3M843
Run #2	3M19760.D	5	05/26/10	KLS	05/13/10	OP43577	E3M846

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	38	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	61	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	63	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	750	46	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	750	46	ug/kg	
95-48-7	2-Methylphenol	ND	75	43	ug/kg	
	3&4-Methylphenol	ND	75	48	ug/kg	
88-75-5	2-Nitrophenol	ND	190	40	ug/kg	
100-02-7	4-Nitrophenol	ND	380	64	ug/kg	
87-86-5	Pentachlorophenol	ND	380	64	ug/kg	
108-95-2	Phenol	ND	75	40	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	44	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	35	ug/kg	
83-32-9	Acenaphthene	2820	38	11	ug/kg	
208-96-8	Acenaphthylene	72.3	38	12	ug/kg	
120-12-7	Anthracene	2070	38	13	ug/kg	
56-55-3	Benzo(a)anthracene	654	38	12	ug/kg	
50-32-8	Benzo(a)pyrene	509	38	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	409	38	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	243	38	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	356	38	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	75	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	75	22	ug/kg	
91-58-7	2-Chloronaphthalene	ND	75	12	ug/kg	
106-47-8	4-Chloroaniline	ND	190	12	ug/kg	
86-74-8	Carbazole	1300	75	17	ug/kg	
218-01-9	Chrysene	669	38	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	75	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	75	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	75	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	75	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-I	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-18	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	75.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	75	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	75	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	75	8.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	75	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	75	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	9.6	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	92.0	38	13	ug/kg	
132-64-9	Dibenzofuran	7610 ^a	380	56	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	75	8.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	75	18	ug/kg	
84-66-2	Diethyl phthalate	ND	75	13	ug/kg	
131-11-3	Dimethyl phthalate	43.0	75	13	ug/kg	J
117-81-7	bis(2-Ethylhexyl)phthalate	ND	75	33	ug/kg	
206-44-0	Fluoranthene	2300	38	17	ug/kg	
86-73-7	Fluorene	6260 ^a	190	62	ug/kg	
118-74-1	Hexachlorobenzene	ND	75	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	750	38	ug/kg	
67-72-1	Hexachloroethane	ND	190	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	226	38	13	ug/kg	
78-59-1	Isophorone	ND	75	10	ug/kg	
91-57-6	2-Methylnaphthalene	541	75	21	ug/kg	
88-74-4	2-Nitroaniline	ND	190	17	ug/kg	
99-09-2	3-Nitroaniline	ND	190	15	ug/kg	
100-01-6	4-Nitroaniline	ND	190	15	ug/kg	
91-20-3	Naphthalene	11800 ^a	190	51	ug/kg	
98-95-3	Nitrobenzene	ND	75	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	75	9.2	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	22	ug/kg	
85-01-8	Phenanthrene	6240 ^a	190	86	ug/kg	
129-00-0	Pyrene	1740	38	14	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	75	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%	51%	30-109%
4165-62-2	Phenol-d5	55%	53%	28-108%
118-79-6	2,4,6-Tribromophenol	55%	43%	28-125%
4165-60-0	Nitrobenzene-d5	49%	49%	28-113%
321-60-8	2-Fluorobiphenyl	50%	51%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-I		
Lab Sample ID:	JA46464-18	Date Sampled:	05/12/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	75.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	59%	57%	31-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-11-9	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-19	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	79.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D168676.D	1	05/22/10	HSS	n/a	n/a	VD6805
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.2 g	5.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3600	810	ug/kg	
71-43-2	Benzene	2640	360	120	ug/kg	
75-27-4	Bromodichloromethane	ND	1800	93	ug/kg	
75-25-2	Bromoform	ND	1800	55	ug/kg	
74-83-9	Bromomethane	ND	1800	150	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3600	720	ug/kg	
75-15-0	Carbon disulfide	224	1800	110	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1800	200	ug/kg	
108-90-7	Chlorobenzene	ND	1800	120	ug/kg	
75-00-3	Chloroethane	ND	1800	360	ug/kg	
67-66-3	Chloroform	ND	1800	120	ug/kg	
74-87-3	Chloromethane	ND	1800	60	ug/kg	
124-48-1	Dibromochloromethane	ND	1800	40	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1800	50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	360	130	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1800	240	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1800	87	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1800	160	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	1800	87	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1800	47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1800	48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1800	35	ug/kg	
100-41-4	Ethylbenzene	52200	360	130	ug/kg	
591-78-6	2-Hexanone	ND	1800	350	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	360	100	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	1800	290	ug/kg	
75-09-2	Methylene chloride	ND	1800	81	ug/kg	
100-42-5	Styrene	ND	1800	39	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1800	110	ug/kg	
127-18-4	Tetrachloroethene	ND	1800	53	ug/kg	
108-88-3	Toluene	1200	360	110	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1800	47	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-9	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-19	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	79.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1800	67	ug/kg	
79-01-6	Trichloroethene	ND	1800	190	ug/kg	
75-01-4	Vinyl chloride	ND	1800	65	ug/kg	
1330-20-7	Xylene (total)	94900	730	170	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		67-127%
17060-07-0	1,2-Dichloroethane-D4	91%		65-132%
2037-26-5	Toluene-D8	105%		74-129%
460-00-4	4-Bromofluorobenzene	106%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-9		
Lab Sample ID:	JA46464-19	Date Sampled:	05/12/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	79.9
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19724.D	1	05/25/10	KLS	05/13/10	OP43577	E3M844
Run #2	3M19746.D	20	05/26/10	LP	05/13/10	OP43577	E3M845
Run #3	3M19747.D	200	05/26/10	LP	05/13/10	OP43577	E3M845

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml
Run #3	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	57	ug/kg	
105-67-9	2,4-Dimethylphenol	2890	180	60	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	710	43	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	710	43	ug/kg	
95-48-7	2-Methylphenol	ND	71	41	ug/kg	
	3&4-Methylphenol	ND	71	45	ug/kg	
88-75-5	2-Nitrophenol	ND	180	38	ug/kg	
100-02-7	4-Nitrophenol	ND	360	60	ug/kg	
87-86-5	Pentachlorophenol	ND	360	61	ug/kg	
108-95-2	Phenol	144	71	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	33	ug/kg	
83-32-9	Acenaphthene	66400 ^a	710	210	ug/kg	
208-96-8	Acenaphthylene	2750	36	11	ug/kg	
120-12-7	Anthracene	31400 ^a	710	250	ug/kg	
56-55-3	Benzo(a)anthracene	10800 ^a	710	230	ug/kg	
50-32-8	Benzo(a)pyrene	7050 ^a	710	220	ug/kg	
205-99-2	Benzo(b)fluoranthene	5880 ^a	710	240	ug/kg	
191-24-2	Benzo(g,h,i)perylene	2830	36	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	2930	36	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	71	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	71	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	71	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	11	ug/kg	
86-74-8	Carbazole	11900 ^a	1400	330	ug/kg	
218-01-9	Chrysene	10500 ^a	710	240	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	71	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	71	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-9	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-19	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	79.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	71	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	71	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	71	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	71	9.5	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	71	7.9	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	71	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	71	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	943	36	12	ug/kg	
132-64-9	Dibenzofuran	55900 ^a	1400	210	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	71	7.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	71	17	ug/kg	
84-66-2	Diethyl phthalate	ND	71	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	71	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	71	31	ug/kg	
206-44-0	Fluoranthene	54200 ^a	710	310	ug/kg	
86-73-7	Fluorene	52800 ^a	710	230	ug/kg	
118-74-1	Hexachlorobenzene	ND	71	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	9.9	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	710	36	ug/kg	
67-72-1	Hexachloroethane	ND	180	9.9	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	2620	36	12	ug/kg	
78-59-1	Isophorone	ND	71	9.6	ug/kg	
91-57-6	2-Methylnaphthalene	96400 ^b	14000	4000	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	481000 ^b	7100	1900	ug/kg	
98-95-3	Nitrobenzene	ND	71	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	71	8.7	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	21	ug/kg	
85-01-8	Phenanthrene	143000 ^b	7100	3200	ug/kg	
129-00-0	Pyrene	39100 ^a	710	270	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	71	9.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	68%	74%	0% ^c	30-109%
4165-62-2	Phenol-d5	67%	80%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	84%	61%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-9	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-19	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	79.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	94%	74%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	65%	82%	74%	38-107%
1718-51-0	Terphenyl-d14	71%	87%	78%	31-116%

- (a) Result is from Run# 2
(b) Result is from Run# 3
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-11-3	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-20	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168725.D	1	05/24/10	HSS	n/a	n/a	VD6807
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.2 g	5.0 ml	5.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	16000	3600	ug/kg	J
71-43-2	Benzene	582	1600	550	ug/kg	
75-27-4	Bromodichloromethane	ND	8000	410	ug/kg	
75-25-2	Bromoform	ND	8000	240	ug/kg	
74-83-9	Bromomethane	ND	8000	650	ug/kg	
78-93-3	2-Butanone (MEK)	ND	16000	3200	ug/kg	
75-15-0	Carbon disulfide	ND	8000	490	ug/kg	
56-23-5	Carbon tetrachloride	ND	8000	890	ug/kg	
108-90-7	Chlorobenzene	ND	8000	540	ug/kg	
75-00-3	Chloroethane	ND	8000	1600	ug/kg	
67-66-3	Chloroform	ND	8000	510	ug/kg	
74-87-3	Chloromethane	ND	8000	260	ug/kg	
124-48-1	Dibromochloromethane	ND	8000	180	ug/kg	
75-34-3	1,1-Dichloroethane	ND	8000	220	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1600	550	ug/kg	
75-35-4	1,1-Dichloroethene	ND	8000	1100	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	8000	380	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	8000	720	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	8000	380	ug/kg	
78-87-5	1,2-Dichloropropane	ND	8000	210	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	8000	210	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	8000	150	ug/kg	
100-41-4	Ethylbenzene	39100	1600	600	ug/kg	
591-78-6	2-Hexanone	ND	8000	1500	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1600	450	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	8000	1300	ug/kg	
75-09-2	Methylene chloride	ND	8000	360	ug/kg	
100-42-5	Styrene	ND	8000	170	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	8000	470	ug/kg	
127-18-4	Tetrachloroethene	ND	8000	230	ug/kg	
108-88-3	Toluene	1080	1600	470	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	8000	210	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-3	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-20	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	8000	300	ug/kg	
79-01-6	Trichloroethene	ND	8000	840	ug/kg	
75-01-4	Vinyl chloride	ND	8000	290	ug/kg	
1330-20-7	Xylene (total)	59700	3200	750	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		67-127%
17060-07-0	1,2-Dichloroethane-D4	92%		65-132%
2037-26-5	Toluene-D8	105%		74-129%
460-00-4	4-Bromofluorobenzene	108%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-3	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-20	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19725.D	1	05/25/10	KLS	05/13/10	OP43577	E3M844
Run #2	3M19748.D	20	05/26/10	LP	05/13/10	OP43577	E3M845
Run #3	3M19764.D	2500	05/26/10	KLS	05/13/10	OP43577	E3M846

	Initial Weight	Final Volume
Run #1	35.4 g	1.0 ml
Run #2	35.4 g	1.0 ml
Run #3	35.4 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	38	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	60	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	63	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	750	46	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	750	46	ug/kg	
95-48-7	2-Methylphenol	ND	75	43	ug/kg	
	3&4-Methylphenol	ND	75	48	ug/kg	
88-75-5	2-Nitrophenol	ND	190	40	ug/kg	
100-02-7	4-Nitrophenol	ND	380	63	ug/kg	
87-86-5	Pentachlorophenol	ND	380	64	ug/kg	
108-95-2	Phenol	ND	75	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	44	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	35	ug/kg	
83-32-9	Acenaphthene	326000 ^a	94000	27000	ug/kg	
208-96-8	Acenaphthylene	16300 ^b	750	240	ug/kg	
120-12-7	Anthracene	165000 ^a	94000	33000	ug/kg	
56-55-3	Benzo(a)anthracene	61200 ^b	750	240	ug/kg	
50-32-8	Benzo(a)pyrene	35100 ^b	750	230	ug/kg	
205-99-2	Benzo(b)fluoranthene	28900 ^b	750	250	ug/kg	
191-24-2	Benzo(g,h,i)perylene	13500 ^b	750	280	ug/kg	
207-08-9	Benzo(k)fluoranthene	22500 ^b	750	280	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	75	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	75	22	ug/kg	
91-58-7	2-Chloronaphthalene	ND	75	12	ug/kg	
106-47-8	4-Chloroaniline	ND	190	12	ug/kg	
86-74-8	Carbazole	59200 ^a	190000	43000	ug/kg	J
218-01-9	Chrysene	58400 ^b	750	250	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	75	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	75	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-3	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-20	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	75	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	75	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	75	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	75	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	75	8.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	75	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	75	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	9.5	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	4350 ^b	750	260	ug/kg	
132-64-9	Dibenzofuran	253000 ^a	190000	28000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	75	8.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	75	18	ug/kg	
84-66-2	Diethyl phthalate	ND	75	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	75	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	75	33	ug/kg	
206-44-0	Fluoranthene	287000 ^a	94000	41000	ug/kg	
86-73-7	Fluorene	240000 ^a	94000	31000	ug/kg	
118-74-1	Hexachlorobenzene	ND	75	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	750	38	ug/kg	
67-72-1	Hexachloroethane	ND	190	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	12600 ^b	750	260	ug/kg	
78-59-1	Isophorone	ND	75	10	ug/kg	
91-57-6	2-Methylnaphthalene	507000 ^a	190000	52000	ug/kg	
88-74-4	2-Nitroaniline	ND	190	17	ug/kg	
99-09-2	3-Nitroaniline	ND	190	15	ug/kg	
100-01-6	4-Nitroaniline	ND	190	15	ug/kg	
91-20-3	Naphthalene	2710000 ^a	94000	26000	ug/kg	
98-95-3	Nitrobenzene	ND	75	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	75	9.2	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	22	ug/kg	
85-01-8	Phenanthrene	821000 ^a	94000	43000	ug/kg	
129-00-0	Pyrene	218000 ^a	94000	36000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	75	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	81%	108%	0% ^c	30-109%
4165-62-2	Phenol-d5	83%	96%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	180% ^d	59%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	PO-11-3		
Lab Sample ID:	JA46464-20	Date Sampled:	05/12/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	75.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	113%	96%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	91%	86%	0% ^c	38-107%
1718-51-0	Terphenyl-d14	116%	100%	0% ^c	31-116%

- (a) Result is from Run# 3
 (b) Result is from Run# 2
 (c) Outside control limits due to dilution.
 (d) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-11	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-21	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	79.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168723.D	1	05/24/10	HSS	n/a	n/a	VD6807
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.2 g	5.0 ml	5.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	15000	3300	ug/kg	
71-43-2	Benzene	6420	1500	510	ug/kg	
75-27-4	Bromodichloromethane	ND	7400	380	ug/kg	
75-25-2	Bromoform	ND	7400	220	ug/kg	
74-83-9	Bromomethane	ND	7400	600	ug/kg	
78-93-3	2-Butanone (MEK)	ND	15000	2900	ug/kg	
75-15-0	Carbon disulfide	ND	7400	450	ug/kg	
56-23-5	Carbon tetrachloride	ND	7400	820	ug/kg	
108-90-7	Chlorobenzene	ND	7400	500	ug/kg	
75-00-3	Chloroethane	ND	7400	1500	ug/kg	
67-66-3	Chloroform	ND	7400	470	ug/kg	
74-87-3	Chloromethane	ND	7400	240	ug/kg	
124-48-1	Dibromochloromethane	ND	7400	160	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7400	200	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1500	510	ug/kg	
75-35-4	1,1-Dichloroethene	ND	7400	980	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	7400	350	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	7400	670	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	7400	350	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7400	190	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7400	200	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7400	140	ug/kg	
100-41-4	Ethylbenzene	63900	1500	550	ug/kg	
591-78-6	2-Hexanone	ND	7400	1400	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1500	420	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7400	1200	ug/kg	
75-09-2	Methylene chloride	ND	7400	330	ug/kg	
100-42-5	Styrene	ND	7400	160	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7400	430	ug/kg	
127-18-4	Tetrachloroethene	ND	7400	220	ug/kg	
108-88-3	Toluene	2050	1500	430	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7400	190	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-11	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-21	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	79.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	7400	270	ug/kg	
79-01-6	Trichloroethene	ND	7400	780	ug/kg	
75-01-4	Vinyl chloride	ND	7400	260	ug/kg	
1330-20-7	Xylene (total)	109000	3000	700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		67-127%
17060-07-0	1,2-Dichloroethane-D4	92%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	107%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-11	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-21	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	79.0
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19726.D	1	05/25/10	KLS	05/13/10	OP43577	E3M844
Run #2	3M19750.D	20	05/26/10	LP	05/13/10	OP43577	E3M845
Run #3	3M19751.D	500	05/26/10	LP	05/13/10	OP43577	E3M845

	Initial Weight	Final Volume
Run #1	35.4 g	1.0 ml
Run #2	35.4 g	1.0 ml
Run #3	35.4 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	58	ug/kg	
105-67-9	2,4-Dimethylphenol	365	180	60	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	720	44	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	720	44	ug/kg	
95-48-7	2-Methylphenol	ND	72	41	ug/kg	
	3&4-Methylphenol	ND	72	45	ug/kg	
88-75-5	2-Nitrophenol	ND	180	38	ug/kg	
100-02-7	4-Nitrophenol	ND	360	60	ug/kg	
87-86-5	Pentachlorophenol	ND	360	61	ug/kg	
108-95-2	Phenol	ND	72	38	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	64900 ^a	18000	5200	ug/kg	
208-96-8	Acenaphthylene	3310	36	11	ug/kg	
120-12-7	Anthracene	34800 ^b	720	250	ug/kg	
56-55-3	Benzo(a)anthracene	14500 ^b	720	230	ug/kg	
50-32-8	Benzo(a)pyrene	11000 ^b	720	220	ug/kg	
205-99-2	Benzo(b)fluoranthene	9030 ^b	720	240	ug/kg	
191-24-2	Benzo(g,h,i)perylene	5030 ^b	720	270	ug/kg	
207-08-9	Benzo(k)fluoranthene	3220	36	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	11	ug/kg	
86-74-8	Carbazole	13800 ^b	1400	330	ug/kg	
218-01-9	Chrysene	13900 ^b	720	240	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-11	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-21	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	79.0
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	72	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	72	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	72	9.6	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	72	8.0	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	72	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	72	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.1	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1320	36	12	ug/kg	
132-64-9	Dibenzofuran	59500 ^b	1400	210	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	7.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	17	ug/kg	
84-66-2	Diethyl phthalate	ND	72	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	72	32	ug/kg	
206-44-0	Fluoranthene	67400 ^b	720	320	ug/kg	
86-73-7	Fluorene	55300 ^b	720	230	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	9.9	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	720	36	ug/kg	
67-72-1	Hexachloroethane	ND	180	9.9	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	4400 ^b	720	250	ug/kg	
78-59-1	Isophorone	ND	72	9.6	ug/kg	
91-57-6	2-Methylnaphthalene	99300 ^a	36000	10000	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	564000 ^a	18000	4900	ug/kg	
98-95-3	Nitrobenzene	ND	72	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	8.7	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	21	ug/kg	
85-01-8	Phenanthrene	160000 ^a	18000	8100	ug/kg	
129-00-0	Pyrene	50200 ^b	720	270	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	72	9.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	61%	66%	0% ^c	30-109%
4165-62-2	Phenol-d5	61%	75%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	80%	56%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-11	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-21	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	79.0
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	94%	70%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	60%	77%	0% ^c	38-107%
1718-51-0	Terphenyl-d14	66%	81%	0% ^c	31-116%

- (a) Result is from Run# 3
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-10	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-22	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	67.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168726.D	1	05/24/10	HSS	n/a	n/a	VD6807
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.3 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	940	210	ug/kg	
71-43-2	Benzene	1080	94	32	ug/kg	
75-27-4	Bromodichloromethane	ND	470	24	ug/kg	
75-25-2	Bromoform	ND	470	14	ug/kg	
74-83-9	Bromomethane	ND	470	38	ug/kg	
78-93-3	2-Butanone (MEK)	ND	940	180	ug/kg	
75-15-0	Carbon disulfide	ND	470	29	ug/kg	
56-23-5	Carbon tetrachloride	ND	470	52	ug/kg	
108-90-7	Chlorobenzene	ND	470	32	ug/kg	
75-00-3	Chloroethane	ND	470	94	ug/kg	
67-66-3	Chloroform	ND	470	30	ug/kg	
74-87-3	Chloromethane	ND	470	15	ug/kg	
124-48-1	Dibromochloromethane	ND	470	10	ug/kg	
75-34-3	1,1-Dichloroethane	ND	470	13	ug/kg	
107-06-2	1,2-Dichloroethane	ND	94	32	ug/kg	
75-35-4	1,1-Dichloroethene	ND	470	62	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	470	22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	470	42	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	470	22	ug/kg	
78-87-5	1,2-Dichloropropane	ND	470	12	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	470	12	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	470	9.0	ug/kg	
100-41-4	Ethylbenzene	1930	94	35	ug/kg	
591-78-6	2-Hexanone	ND	470	90	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	94	26	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	470	76	ug/kg	
75-09-2	Methylene chloride	ND	470	21	ug/kg	
100-42-5	Styrene	ND	470	10	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	470	27	ug/kg	
127-18-4	Tetrachloroethene	ND	470	14	ug/kg	
108-88-3	Toluene	113	94	27	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	470	12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

3.28

3

Client Sample ID:	PO-11-10	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-22	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	67.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	470	17	ug/kg	
79-01-6	Trichloroethene	ND	470	49	ug/kg	
75-01-4	Vinyl chloride	ND	470	17	ug/kg	
1330-20-7	Xylene (total)	4720	190	44	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	91%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	109%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-11-10		
Lab Sample ID:	JA46464-22	Date Sampled:	05/12/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	67.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19701.D	1	05/25/10	KLS	05/13/10	OP43577	E3M843
Run #2	3M19758.D	5	05/26/10	KLS	05/13/10	OP43577	E3M846

	Initial Weight	Final Volume
Run #1	35.4 g	1.0 ml
Run #2	35.4 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	210	42	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	42	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	67	ug/kg	
105-67-9	2,4-Dimethylphenol	295	210	70	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	51	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	830	51	ug/kg	
95-48-7	2-Methylphenol	ND	83	48	ug/kg	
	3&4-Methylphenol	ND	83	53	ug/kg	
88-75-5	2-Nitrophenol	ND	210	44	ug/kg	
100-02-7	4-Nitrophenol	ND	420	71	ug/kg	
87-86-5	Pentachlorophenol	ND	420	71	ug/kg	
108-95-2	Phenol	ND	83	44	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	48	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	39	ug/kg	
83-32-9	Acenaphthene	271	42	12	ug/kg	
208-96-8	Acenaphthylene	ND	42	13	ug/kg	
120-12-7	Anthracene	97.1	42	15	ug/kg	
56-55-3	Benzo(a)anthracene	45.8	42	14	ug/kg	
50-32-8	Benzo(a)pyrene	28.3	42	13	ug/kg	J
205-99-2	Benzo(b)fluoranthene	23.7	42	14	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	42	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	24.7	42	16	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	83	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	83	24	ug/kg	
91-58-7	2-Chloronaphthalene	ND	83	13	ug/kg	
106-47-8	4-Chloroaniline	ND	210	13	ug/kg	
86-74-8	Carbazole	37.4	83	19	ug/kg	J
218-01-9	Chrysene	42.9	42	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	83	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	83	13	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	83	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	83	13	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-10	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-22	Date Received:	05/12/10
Matrix:	SO - Soil	Percent Solids:	67.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	83	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	83	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	83	9.3	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	83	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	83	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	210	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	42	14	ug/kg	
132-64-9	Dibenzofuran	212	83	12	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	83	9.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	83	20	ug/kg	
84-66-2	Diethyl phthalate	ND	83	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	83	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	83	37	ug/kg	
206-44-0	Fluoranthene	189	42	18	ug/kg	
86-73-7	Fluorene	182	42	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	83	14	ug/kg	
87-68-3	Hexachlorobutadiene	ND	42	12	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	830	43	ug/kg	
67-72-1	Hexachloroethane	ND	210	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	42	14	ug/kg	
78-59-1	Isophorone	ND	83	11	ug/kg	
91-57-6	2-Methylnaphthalene	322	83	23	ug/kg	
88-74-4	2-Nitroaniline	ND	210	18	ug/kg	
99-09-2	3-Nitroaniline	ND	210	17	ug/kg	
100-01-6	4-Nitroaniline	ND	210	16	ug/kg	
91-20-3	Naphthalene	5960 ^a	210	57	ug/kg	
98-95-3	Nitrobenzene	ND	83	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	83	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	25	ug/kg	
85-01-8	Phenanthrene	598	42	19	ug/kg	
129-00-0	Pyrene	145	42	16	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	83	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	76%	74%	30-109%
4165-62-2	Phenol-d5	76%	75%	28-108%
118-79-6	2,4,6-Tribromophenol	65%	52%	28-125%
4165-60-0	Nitrobenzene-d5	72%	71%	28-113%
321-60-8	2-Fluorobiphenyl	71%	68%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-10		
Lab Sample ID:	JA46464-22	Date Sampled:	05/12/10
Matrix:	SO - Soil	Date Received:	05/12/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	67.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	73%	67%	31-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	TRIP BLANK	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-23	Date Received:	05/12/10
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C77781.D	1	05/15/10	MAH	n/a	n/a	V1C3396
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	TRIP BLANK	Date Sampled:	05/12/10
Lab Sample ID:	JA46464-23	Date Received:	05/12/10
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		76-120%
17060-07-0	1,2-Dichloroethane-D4	92%		64-135%
2037-26-5	Toluene-D8	85%		76-117%
460-00-4	4-Bromofluorobenzene	90%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody



PAGE 1 OF 8

SEP-EN Tracking #
Prior 14427175
Accutest Quote #

	Bottle Order Control #

Accutes! Job #	

JA46464

Client / Reporting Information				Project Information				Requested Analysis (see TEST CODE sheet)												Matrix Codes								
Company Name FLS				Project Name: Panel 8- Post-Pilot				DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED-Sediment OL - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Waste FB-Field Blank EB-Equipment Blank RB- Rinse Blank TB-Trip Blank 8260 TLL 8270 TLL PRO 1GR0 8015 8260 TLL 412 30 TLL 8015 6RO 8015 0RO																				
Street Address 158 W 29th St.				Street 43rd Rd/Cen Blvd.																								
City NY NY State NY Zip 10001				Billing Information (If different from Report to) Company Name LTC State NY																								
Project Contact S. Panter E-mail				Project # 10011-017-4 Street Address																								
Phone # (012) 675-3225 Fax #				Client Purchase Order #																								
Sampler(s) Name(s) K. Boretsky Phone #				Project Manager				Attention:																				
Access Sample #		Field ID / Point of Collection		MECHDOI Val #		Collection		Matrix		# of bottles		Number of preserved bottles										LAB USE ONLY						
						Date		Time		Sampled by				HCl	NaOH	HNO3	H2O2	HNO1	DI Water	MESH	BIOHOL							
- 1		PO-27-85				5/10/10		1018		SO 4																		
- 2		PO-24-SB						1148		GW 9		X																
- 3		PO-27-1D						1530		SO 4																		
- 4		PO-24-S3						1450		GW 9		X																
- 5		PO-24-S5						1505		GW 9		X																
- 6		PO-27-20				5/11/10		1534		SO 4																		
- 7		PO-19-SB						1009		GW 9		X																
- 8		PO-27-S0						1055		SO 3																		
- 9		PO-27-60						1133		SO 4																		
- 10		PO-27-70						1219		SO 4																		
- 11		PO-27-80						1543		SO 4																		
- 12		PO-19-S7				5/12/10		0845		GW 9		X																
Turnaround Time (Business days)				Data Deliverable Information				Comments / Special Instructions																				
☐ Std. 15 Business Days ☐ Std. 10 Business Days (by Contract only) ☐ 10 Day RUSH ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY Emergency & Rush T/A data available VIA Lablink				Approved By (Accutest PM) : Date: _____ _____ _____ _____ _____				☐ Commercial "A" (Level 1) ☐ Commercial "B" (Level 2) ☐ FULLT1 (Level 3+4) ☐ NJ Reduced ☐ Commercial "C" Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data				☐ NYASP Category A ☐ NYASP Category B ☐ State Forms ☐ EDD Format ☐ Other _____																
Sample Custody must be documented																												

Page 1 of 8

2335 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job #
JA46464	
Requested Analysis (see TEST CODE sheet)	
Matrix Codes	
DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment GI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank	
LAB USE ONLY	

Client / Reporting Information		Project Information	
Company Name: FLS		Project Name: Panel B - Post Pilot	
Street Address		Street	
City State Zip		City State	
Project Contact: J. Pantex		Project #	
Phone #		Client Purchase Order #	
Sampler(s) Name(s): KB		Project Manager	
Turnaround Time (Business days)		Data Deliverable Information	
☐ Std. 15 Business Days ☒ Std. 10 Business Days (by Contract only) ☐ 48 Day RUSH ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY		☐ Commercial "A" (Level 4) ☐ Commercial "B" (Level 2) ☐ FULLT1 (Level 3+4) ☐ NJ Reduced ☐ Commercial "C" ☐ NYASP Category A ☐ NYASP Category B ☐ State Forms ☐ EDD Format ☐ Other	
Approved By (Accutest PM): I Date:		Comments / Special Instructions	
		Please homogenize soil in lab filled 4-8-10 no time	
Sample Custody must be documented below each time sample changes possession, including courier delivery.			
Relinquished by Sampler:	Date Time:	Received By:	Date Time:
1 KB	5/12/10	1 7082	5/12/10 7:10
Relinquished by Sampler:	Date Time:	Received By:	Date Time:
3		3	
Relinquished by:	Date Time:	Received By:	Date Time:
5		5	
Custody Seal #		☐ Intact ☐ Not intact	
Preserved where applicable		On Ice	
Cooler Temp.			

JA46464: Chain of Custody

Page 2 of 8

Lab Name: ACCUTEST Page 1 of 1

Received by (Print Name): A. CATENA Log-in Date: 5/12/10

Received by (Signature): [Signature]

		CORRESPONDING			REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
		NYSDEC SAMPLE #	SAMPLE TAG #	ASSIGNED LAB #	
Sample Number:	<u>N/A</u>				
LOG Number:					
CLS Number:	<u>N/A</u>				
MARKS:					
Custody Seal(s)	Present/Absent* <u>Present</u>	N/A		JA46464 -	1
	Intact/Broken	N/A			2
Custody Seal	<u>NONE</u>	N/A			3
Numbers:		N/A			4
Chain-of-Custody	Present/Absent* <u>Present</u>	N/A			5
Records		N/A			6
Contract Lab	Present/Absent* <u>N/A</u>	N/A			7
Sample Inform.		N/A			8
Sheet (CLIS)		N/A			9
Airbill	Airbill/Sticker <u>N/A</u>	N/A			10
	Present/Absent* <u>N/A</u>	N/A			11
Airbill No.:	<u>N/A</u>	N/A			12
		N/A			13
Sample Tags	Present/Absent* <u>N/A</u>	N/A			14
Sample Tag Nos.	Listed/Not Listed on <u>N/A</u>	N/A			15
	Chain-of-Custody	N/A			16
Sample Condition	Intact/Broken*/ Leaking <u>Intact</u>	N/A			17
		N/A			18
Does Information		N/A			19
on custody rec.,	<u>COC + LAGEL ADVICE</u>	N/A			20
CLIS, & sample		N/A			21
tags agree	Yes/No* <u>Yes</u>	N/A			22
Date received		N/A			23
at Lab:	<u>5/12/10</u>	N/A			
Time Received:	<u>17:15</u>	N/A			
Do aqueous VOC vials					
have headspace?	Yes/No* <u>No</u>				
Are preserved voc					
samples fully im-					
mersed in preservative?	Yes/No* <u>N/A</u>	N/A			
Sample Transfer					
Location:	<u>See Internal</u>				
Sample #:	<u>Chain of Custody</u>				

JA46464: Chain of Custody

Page 3 of 8

Contract BTR and attach record of resolution

Reviewed By: _____
Date: _____

Logbook No.: N/A
Logbook Page No.: N/A



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA46464

Client: FLS-NY

Immediate Client Services Action Required: No

Date / Time Received: 5/12/2010 1715

Delivery Method: Other Courier

Client Service Action Required at Login: Yes

Project: PARCEL 8

No. Coolers: 3

Airbill #'s:

Cooler Security

Y or N

Y or N

1. Custody Seals Present:	☐	☒	3. COC Present:	☒	☐
2. Custody Seals Intact:	☒	☐	4. Smpl Dates/Time OK	☒	☐

Cooler Temperature

Y or N

1. Temp criteria achieved:	☒	☐
2. Cooler temp verification:	Infrared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservation

Y

N

N/A

1. Trip Blank present / cooler:	☒	☐	☐
2. Trip Blank listed on COC:	☒	☐	☐
3. Samples preserved properly:	☐	☒	☐
4. VOCs headspace free:	☒	☐	☐

Comments

-2, -4, -5, -7, -17 2 OF 2 DRO UNDERPRESERVED(PH7)
-12 2 OF 2 DRO UNDERPRESERVED(PH5)
HCL ADDED IN SM, LOT#2001174

Sample Integrity - Documentation

Y or N

1. Sample labels present on bottles:	☒	☐
2. Container labeling complete:	☒	☐
3. Sample container label / COC agree:	☒	☐

Sample Integrity - Condition

Y or N

1. Sample recvd within HT:	☒	☐
2. All containers accounted for:	☒	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions

Y N N/A

1. Analysis requested is clear:	☒	☐	
2. Bottles received for unspecified tests	☐	☒	
3. Sufficient volume recvd for analysis:	☒	☐	
4. Compositing instructions clear:	☐	☐	☐
5. Filtering instructions clear:	☐	☐	☐

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F: 732.329.3499

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JA46464: Chain of Custody

Page 4 of 8



Sample Receipt Summary - Problem Resolution

Accutest Job Number: JA46464

CSR: Tammy McCloskey

Response Date

5/14/2010

Response: Steve Panter notified, please proceed with analysis.

4.1

4

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JA46464: Chain of Custody
Page 5 of 8

Job Change Order: JA46464_5/18/2010

Requested Date:	5/18/2010	Received Date:	5/12/2010
Account Name:	Fleming-Lee Shue, Inc.	Due Date:	5/26/2010
Project Description:	Queens West, Parcel 8, 47th Road, Long Island City,	Deliverable:	NYASPB
CSR:	TM	TAT (Days):	14

Sample #: JA46464-2R **Change:** cancel relog of V8015GRO & B8015DRO

PO-24-S8

Sample #: JA46464-17 **Change:** relog V8015GRO & B8015DRO

PO-19-S6

Above Changes

Steve Panter

Date: 5/18/2010

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

JA46464: Chain of Custody
Page 6 of 8

Job Change Order: JA46464_5/18/2010

Requested Date:	5/18/2010	Received Date:	5/12/2010
Account Name:	Fleming-Lee Shue, Inc.	Due Date:	5/26/2010
Project Description:	Queens West, Parcel 8, 47th Road, Long Island City,	Deliverable:	NYASPB
CSR:	TM	TAT (Days):	14

Sample #: JA46464-2 **Change:** relog for V8015GRO & B8015DRO. DRO extract ok out of hold time

PO-24-S8

Sample #: JA46464-4 **Change:** relog for V8015GRO & B8015DRO. DRO extract ok out of hold time

PO-24-S3

Sample #: JA46464-6 **Change:** relog for V8015GRO & B8015DRO

PO-27-2D

Sample #: JA46464-7 **Change:** relog for V8015GRO & B8015DRO - last day of hold time 5/18/10

PO-19-S8

Sample #: JA46464-8 **Change:** relog for V8015GRO & B8015DRO

PO-27-5D

Sample #: JA46464-12 **Change:** relog for V8105GRO & B8015DRO - last day of hold time 5/19/10

PO-19-S7

Above Changes

Steve Panter

Date: 5/18/2010

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 2

JA46464: Chain of Custody
Page 7 of 8

Job Change Order: JA46464_5/18/2010

Requested Date:	5/18/2010	Received Date:	5/12/2010
Account Name:	Fleming-Lee Shue, Inc.	Due Date:	5/26/2010
Project Description:	Queens West, Parcel 8, 47th Road, Long Island City,	Deliverable:	NYASPB
CSR:	TM	TAT (Days):	14

Above Changes

Steve Panter

Date: 5/18/2010

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 2 of 2

JA46464: Chain of Custody
Page 8 of 8



07/02/10

Technical Report for

Fleming-Lee Shue, Inc.

Queens West, Parcel 8, 47th Road, Long Island City, NY

10011-17-3

Accutest Job Number: JA45914

Sampling Dates: 05/03/10 - 05/05/10

Report to:

Fleming-Lee Shue, Inc.

steve@flemingleeshue.com

ATTN: Steve Panter

Total number of pages in report: **111**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP Ops, Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Fleming-Lee Shue, Inc.

Job No: JA45914

Queens West, Parcel 8, 47th Road, Long Island City, NY
Project No: 10011-17-3

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JA45914-1	05/03/10	11:26 SP	05/05/10	SO	Soil	PO-19-14
JA45914-2	05/03/10	12:15 SP	05/05/10	AQ	Ground Water	PO-19-S1
JA45914-3	05/03/10	13:51 SP	05/05/10	SO	Soil	PO-19-15
JA45914-4	05/03/10	15:32 SP	05/05/10	AQ	Ground Water	PO-19-S3
JA45914-5	05/03/10	15:47 SP	05/05/10	SO	Soil	PO-19-16
JA45914-6	05/04/10	09:55 SP	05/05/10	AQ	Ground Water	PO-19-S4
JA45914-7	05/04/10	10:27 SP	05/05/10	AQ	Ground Water	PO-19-S5
JA45914-8	05/04/10	10:49 SP	05/05/10	SO	Soil	PO-27-1S
JA45914-8R	05/04/10	10:49 SP	05/05/10	SO	Soil	PO-27-1S
JA45914-9	05/04/10	15:37 SP	05/05/10	SO	Soil	PO-27-2S
JA45914-9R	05/04/10	15:37 SP	05/05/10	SO	Soil	PO-27-2S
JA45914-10	05/05/10	09:58 SP	05/05/10	AQ	Ground Water	PO-27-S1
JA45914-11	05/05/10	10:32 SP	05/05/10	AQ	Ground Water	PO-27-S2

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary
(continued)

Fleming-Lee Shue, Inc.

Job No: JA45914

Queens West, Parcel 8, 47th Road, Long Island City, NY
Project No: 10011-17-3

Sample Number	Collected			Received	Matrix		Client Sample ID
	Date	Time	By		Code	Type	
JA45914-12	05/05/10	15:32	SP	05/05/10	AQ	Trip Blank Water	TRIP BLANK
JA45914-13	05/05/10	13:37	SP	05/05/10	SO	Soil	PO-27-5S
JA45914-14	05/05/10	13:30	SP	05/05/10	AQ	Ground Water	PO-27-S3
JA45914-15	05/05/10	14:44	SP	05/05/10	SO	Soil	PO-27-6S
JA45914-15R	05/05/10	14:44	SP	05/05/10	SO	Soil	PO-27-6S
JA45914-16	05/05/10	15:32	SP	05/05/10	SO	Soil	PO-27-7S
JA45914-16R	05/05/10	15:32	SP	05/05/10	SO	Soil	PO-27-7S

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Fleming-Lee Shue, Inc.

Job No JA45914

Site: Queens West, Parcel 8, 47th Road, Long Island City, NY

Report Date 6/3/2010 5:07:23 PM

On 05/05/2010, 15 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 2.6 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA45914 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: V2A4046

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA45914-2MS, JA45914-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for cis-1,2-Dichloroethene are outside control limits. High percent recoveries and no associated positive found in the QC batch.
- JA45914-6: Diluted due to high concentration of non-target compound.
- JA45914-10: Diluted due to high concentration of non-target compound.
- JA45914-11: Diluted due to high concentration of non-target compound.
- JA45914-2: Diluted due to high concentration of target compound.
- JA45914-4: Diluted due to high concentration of non-target compound.

Matrix: AQ

Batch ID: V2A4047

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45947-8MS, JA45947-8MSD were used as the QC samples indicated.

Matrix: SO

Batch ID: VD6795

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA46369-5MS, JA46369-5MSD were used as the QC samples indicated.

Matrix: SO

Batch ID: VE7258

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA46484-4MS, JA46484-4MSD were used as the QC samples indicated.
- JA45914-9: Diluted due to high concentration of non-target compound.
- JA45914-8: Diluted due to high concentration of non-target compound.

Matrix: SO

Batch ID: VE7259

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA46126-3MS, JA46126-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Volatiles by GCMS By Method SW846 8260B**Matrix:** SO**Batch ID:** VE7259

- JA45914-16: Diluted due to high concentration of non-target compound.

Matrix: SO**Batch ID:** VE7261

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45914-13MS, JA45914-13MSD were used as the QC samples indicated.
- JA45914-15: Dilution required due to matrix interference.

Matrix: SO**Batch ID:** VV4313

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45914-5MS, JA45914-5MSD were used as the QC samples indicated.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Benzene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix: SO**Batch ID:** VX4363

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA46438-1MS, JA46438-1MSD were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ

Batch ID: OP43479

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45876-1MS, JA45876-1MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for 3-Nitroaniline, 4-Chloroaniline are outside control limits. Outside the QC limits.
- Matrix Spike Recovery(s) for 4-Chloroaniline are outside control limits. Outside the QC limits.
- Matrix Spike Duplicate Recovery(s) for 4-Chloroaniline are outside control limits. Outside the QC limits.
- RPD(s) for MSD for 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dinitrophenol, 2-Chlorophenol, 2-Nitrophenol, 3,3'-Dichlorobenzidine, 4,6-Dinitro-o-cresol, Pentachlorophenol are outside control limits for sample OP43479-MSD. Outside the QC limits.
- JA45914-4 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45914-4 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45914-4 for Phenol-d5: Outside control limits due to dilution.
- JA45914-4 for Terphenyl-d14: Outside control limits due to dilution.
- JA45914-2 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45914-2 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45914-4 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45914-2 for Phenol-d5: Outside control limits due to dilution.
- JA45914-4 for 2-Fluorobiphenyl: Outside control limits due to dilution.

Matrix: AQ

Batch ID: OP43524

- All method blanks for this batch meet method specific criteria.
- Sample(s) JA46194-4MS, JA46194-4MSD were used as the QC samples indicated.
- The following samples were extracted outside of holding time for method SW846 8270C: JA45914-2, JA45914-4
- Matrix Spike Recovery(s) for 4,6-Dinitro-o-cresol, Pentachlorophenol are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 4,6-Dinitro-o-cresol, Pentachlorophenol are outside control limits. Outside control limits due to matrix interference.
- JA45914-4: Confirmation run.
- JA45914-2: Confirmation run.
- JA45914-4 for Nitrobenzene-d5: Outside of in house control limits, but within reasonable method recovery limits.
- JA45914-6 for Phenol-d5: Outside of in house control limits, but within reasonable method recovery limits.
- JA45914-6 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45914-6 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45914-14 for Phenol-d5: Outside control limits due to dilution.
- JA45914-14 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45914-14 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45914-11 for Phenol-d5: Outside control limits due to dilution.
- JA45914-11 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45914-14 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45914-6 for Phenol-d5: Outside control limits due to dilution.
- JA45914-7 for Phenol-d5: Outside of in house control limits, but within reasonable method recovery limits.
- JA45914-7 for 2-Fluorophenol: Outside of in house control limits, but within reasonable method recovery limits.
- JA45914-6 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45914-7 for 2-Fluorophenol: Outside control limits due to dilution.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ

Batch ID: OP43524

- JA45914-7 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45914-7 for Phenol-d5: Outside control limits due to dilution.
- JA45914-10 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45914-10 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45914-10 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45914-10 for Terphenyl-d14: Outside control limits due to dilution.
- JA45914-10 for Phenol-d5: Outside control limits due to dilution.
- JA45914-10 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45914-10 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45914-14 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45914-6 for Terphenyl-d14: Outside control limits due to dilution.
- JA45914-11 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45914-14 for Terphenyl-d14: Outside control limits due to dilution.
- JA45914-11 for Terphenyl-d14: Outside control limits due to dilution.
- JA45914-11 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45914-6 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45914-11 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45914-11 for Phenol-d5: Outside control limits due to dilution.
- JA45914-14 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45914-14 for Phenol-d5: Outside control limits due to dilution.
- JA45914-11 for 2,4,6-Tribromophenol: Outside control limits due to dilution.

Matrix: SO

Batch ID: OP43504

- All samples were extracted within the recommended method holding time.
- Sample(s) JA45991-1MS, JA45991-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for bis(2-Ethylhexyl)phthalate are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JA45914-9 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45914-9 for Terphenyl-d14: Outside control limits due to dilution.
- JA45914-9 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45914-15 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45914-9 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45914-9 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45914-9 for 2,4,6-Tribromophenol: Outside control limits due to matrix interference.
- JA45914-9 for Phenol-d5: Outside control limits due to dilution.
- JA45914-9 for Phenol-d5: Outside control limits due to dilution.
- JA45914-9 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45914-9 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45914-15 for Phenol-d5: Outside control limits due to dilution.
- JA45914-9 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45914-9 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45914-9 for Terphenyl-d14: Outside control limits due to dilution.

Thursday, June 03, 2010

Page 4 of 6

Volatiles by GC By Method SW846 8015B

Matrix: AQ

Batch ID: GUV3225

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA45914-2MS, JA45914-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO

Batch ID: GPF2041

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA45914-8RMS, JA45914-8RMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846-8015

Matrix: AQ

Batch ID: OP43460

- All samples were extracted within the recommended method holding time.
- Sample(s) JA45846-2MS, JA45846-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JA45914-14 for Tetracosane-d50: Outside control limits due to matrix interference. Confirmed by re-extraction.
- JA45914-14 for 5a-Androstane: Outside control limits due to matrix interference. Confirmed by re-extraction.
- JA45914-6 for Tetracosane-d50: Outside control limits due to matrix interference, no sample left for re-extraction.

Matrix: AQ

Batch ID: OP43519

- All samples were extracted within the recommended method holding time.
- Sample(s) JA46145-1MS, JA46145-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JA45914-14: Confirmation run for surrogate recoveries.

Matrix: SO

Batch ID: OP43543

- All samples were extracted within the recommended method holding time.
- Sample(s) JA46293-1MS, JA46293-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for TPH-DRO (C10-C28) are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- OP43543-MS for o-Terphenyl: Outside control limits due to matrix interference.
- OP43543-MS for Tetracosane-d50: Outside control limits due to matrix interference.
- OP43543-MSD for o-Terphenyl: Outside control limits due to matrix interference.
- OP43543-MSD for Tetracosane-d50: Outside control limits due to matrix interference.
- JA45914-15R for 5a-Androstane: Outside control limits due to matrix interference.

Wet Chemistry By Method SM18 2540G

Matrix: SO

Batch ID: GN37468

- The data for SM18 2540G meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover



Sample Results

Report of Analysis

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-19-14	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-1	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	68.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V102864.D	1	05/17/10	JLI	n/a	n/a	VV4313
Run #2	D168440.D	1	05/17/10	HSS	n/a	n/a	VD6795

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	1.3 g		
Run #2	9.9 g	10.0 ml	100 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	56	13	ug/kg	
71-43-2	Benzene	3820 ^a	97	33	ug/kg	
75-27-4	Bromodichloromethane	ND	28	1.4	ug/kg	
75-25-2	Bromoform	ND	28	0.85	ug/kg	
74-83-9	Bromomethane	ND	28	2.3	ug/kg	
78-93-3	2-Butanone (MEK)	ND	56	11	ug/kg	
75-15-0	Carbon disulfide	ND	28	1.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	28	3.1	ug/kg	
108-90-7	Chlorobenzene	ND	28	1.9	ug/kg	
75-00-3	Chloroethane	ND	28	5.6	ug/kg	
67-66-3	Chloroform	ND	28	1.8	ug/kg	
74-87-3	Chloromethane	ND	28	0.93	ug/kg	
124-48-1	Dibromochloromethane	ND	28	0.62	ug/kg	
75-34-3	1,1-Dichloroethane	ND	28	0.78	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.6	1.9	ug/kg	
75-35-4	1,1-Dichloroethene	ND	28	3.7	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	28	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	28	2.5	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	28	1.3	ug/kg	
78-87-5	1,2-Dichloropropane	ND	28	0.73	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	28	0.75	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	28	0.54	ug/kg	
100-41-4	Ethylbenzene	376	5.6	2.1	ug/kg	
591-78-6	2-Hexanone	ND	28	5.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.6	1.6	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	28	4.6	ug/kg	
75-09-2	Methylene chloride	ND	28	1.3	ug/kg	
100-42-5	Styrene	ND	28	0.60	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	28	1.6	ug/kg	
127-18-4	Tetrachloroethene	ND	28	0.82	ug/kg	
108-88-3	Toluene	455	5.6	1.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	28	0.72	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-14	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-1	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	68.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	28	1.0	ug/kg	
79-01-6	Trichloroethene	ND	28	3.0	ug/kg	
75-01-4	Vinyl chloride	ND	28	1.0	ug/kg	
1330-20-7	Xylene (total)	1530	11	2.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	83%	92%	67-127%
17060-07-0	1,2-Dichloroethane-D4	66%	109%	65-132%
2037-26-5	Toluene-D8	89%	96%	74-129%
460-00-4	4-Bromofluorobenzene	73%	102%	62-138%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-14	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-1	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	68.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M29142.D	1	05/19/10	OYA	05/10/10	OP43504	E2M1237
Run #2	2M29151.D	2	05/19/10	OYA	05/10/10	OP43504	E2M1237

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	210	42	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	42	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	67	ug/kg	
105-67-9	2,4-Dimethylphenol	4070 ^a	420	140	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	840	51	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	840	51	ug/kg	
95-48-7	2-Methylphenol	ND	84	48	ug/kg	
	3&4-Methylphenol	ND	84	53	ug/kg	
88-75-5	2-Nitrophenol	ND	210	44	ug/kg	
100-02-7	4-Nitrophenol	ND	420	71	ug/kg	
87-86-5	Pentachlorophenol	ND	420	71	ug/kg	
108-95-2	Phenol	ND	84	44	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	48	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	39	ug/kg	
83-32-9	Acenaphthene	259	42	12	ug/kg	
208-96-8	Acenaphthylene	ND	42	13	ug/kg	
120-12-7	Anthracene	176	42	15	ug/kg	
56-55-3	Benzo(a)anthracene	33.4	42	14	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	42	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	42	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	42	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	42	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	84	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	84	24	ug/kg	
91-58-7	2-Chloronaphthalene	ND	84	13	ug/kg	
106-47-8	4-Chloroaniline	ND	210	13	ug/kg	
86-74-8	Carbazole	62.3	84	19	ug/kg	J
218-01-9	Chrysene	62.6	42	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	84	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	84	13	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	84	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	84	13	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-14	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-1	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	68.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	84	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	84	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	84	9.3	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	84	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	84	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	210	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	42	14	ug/kg	
132-64-9	Dibenzofuran	229	84	12	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	84	9.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	84	20	ug/kg	
84-66-2	Diethyl phthalate	ND	84	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	84	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	84	37	ug/kg	
206-44-0	Fluoranthene	214	42	18	ug/kg	
86-73-7	Fluorene	238	42	14	ug/kg	
118-74-1	Hexachlorobenzene	ND	84	14	ug/kg	
87-68-3	Hexachlorobutadiene	ND	42	12	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	840	43	ug/kg	
67-72-1	Hexachloroethane	ND	210	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	42	14	ug/kg	
78-59-1	Isophorone	ND	84	11	ug/kg	
91-57-6	2-Methylnaphthalene	327	84	23	ug/kg	
88-74-4	2-Nitroaniline	ND	210	18	ug/kg	
99-09-2	3-Nitroaniline	ND	210	17	ug/kg	
100-01-6	4-Nitroaniline	ND	210	16	ug/kg	
91-20-3	Naphthalene	3370	42	11	ug/kg	
98-95-3	Nitrobenzene	ND	84	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	84	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	25	ug/kg	
85-01-8	Phenanthrene	626	42	19	ug/kg	
129-00-0	Pyrene	175	42	16	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	84	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%	62%	30-109%
4165-62-2	Phenol-d5	56%	49%	28-108%
118-79-6	2,4,6-Tribromophenol	93%	86%	28-125%
4165-60-0	Nitrobenzene-d5	60%	59%	28-113%
321-60-8	2-Fluorobiphenyl	65%	66%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-14		
Lab Sample ID:	JA45914-1	Date Sampled:	05/03/10
Matrix:	SO - Soil	Date Received:	05/05/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	68.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	89%	85%	31-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-S1	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-2	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2A94844.D	10	05/14/10	KPP	n/a	n/a	V2A4046
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	29	ug/l	
71-43-2	Benzene	396	10	2.3	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.2	ug/l	
75-25-2	Bromoform	ND	40	2.3	ug/l	
74-83-9	Bromomethane	ND	20	3.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	16	ug/l	
75-15-0	Carbon disulfide	ND	20	7.4	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.6	ug/l	
108-90-7	Chlorobenzene	ND	10	3.9	ug/l	
75-00-3	Chloroethane	ND	10	3.7	ug/l	
67-66-3	Chloroform	ND	10	2.3	ug/l	
74-87-3	Chloromethane	ND	10	2.9	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.9	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.3	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	2.5	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	10	2.2	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.7	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	662	10	2.7	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	8.6	ug/l	
75-09-2	Methylene chloride	ND	20	3.0	ug/l	
100-42-5	Styrene	ND	50	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.4	ug/l	
127-18-4	Tetrachloroethene	ND	10	2.7	ug/l	
108-88-3	Toluene	1220	10	3.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.6	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-S1	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-2	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	10	2.3	ug/l	
79-01-6	Trichloroethene	ND	10	2.4	ug/l	
75-01-4	Vinyl chloride	ND	10	4.4	ug/l	
1330-20-7	Xylene (total)	2160	10	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-120%
17060-07-0	1,2-Dichloroethane-D4	94%		64-135%
2037-26-5	Toluene-D8	98%		76-117%
460-00-4	4-Bromofluorobenzene	95%		72-122%

(a) Diluted due to high concentration of target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: PO-19-S1
Lab Sample ID: JA45914-2
Matrix: AQ - Ground Water
Method: SW846 8270C SW846 3510C
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 05/03/10
Date Received: 05/05/10
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E26504.D	1	05/12/10	OYA	05/07/10	OP43479	E3E1179
Run #2	3E26612.D	10	05/17/10	OYA	05/07/10	OP43479	E3E1182
Run #3	3E26570.D	50	05/14/10	OYA	05/07/10	OP43479	E3E1181
Run #4 ^a	3M19467.D	1	05/18/10	LP	05/11/10	OP43524	E3M833

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml
Run #4	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	284 ^b	50	17	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	36.7	2.0	1.1	ug/l	
	3&4-Methylphenol	53.0	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	40.5	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	299 ^b	10	3.7	ug/l	
208-96-8	Acenaphthylene	1.8	1.0	0.27	ug/l	
120-12-7	Anthracene	39.4	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	9.2	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	5.2	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	5.7	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	2.2	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	2.1	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	68.4	1.0	0.17	ug/l	
218-01-9	Chrysene	7.9	1.0	0.11	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-S1	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-2	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.93	1.0	0.15	ug/l	J
132-64-9	Dibenzofuran	226 ^b	50	3.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.7	2.0	0.33	ug/l	
206-44-0	Fluoranthene	48.5	1.0	0.17	ug/l	
86-73-7	Fluorene	154 ^b	10	2.7	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	1.7	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	494 ^b	10	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	4550 ^c	50	21	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	243 ^b	10	2.1	ug/l	
129-00-0	Pyrene	34.1	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	33%	29%	0% ^d	13-68%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-S1	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-2	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	19%	21%	0% ^d	10-49%
118-79-6	2,4,6-Tribromophenol	84%	92%	0% ^d	37-130%
4165-60-0	Nitrobenzene-d5	58%	82%	82%	25-112%
321-60-8	2-Fluorobiphenyl	73%	85%	74%	31-106%
1718-51-0	Terphenyl-d14	80%	98%	86%	14-122%

- (a) Confirmation run.
 (b) Result is from Run# 2
 (c) Result is from Run# 3
 (d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-19-15	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-3	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V102863.D	1	05/17/10	JLI	n/a	n/a	VV4313
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	14	3.0	ug/kg	
71-43-2	Benzene	268	1.4	0.47	ug/kg	
75-27-4	Bromodichloromethane	ND	6.8	0.35	ug/kg	
75-25-2	Bromoform	ND	6.8	0.21	ug/kg	
74-83-9	Bromomethane	ND	6.8	0.55	ug/kg	
78-93-3	2-Butanone (MEK)	ND	14	2.7	ug/kg	
75-15-0	Carbon disulfide	ND	6.8	0.42	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.8	0.76	ug/kg	
108-90-7	Chlorobenzene	ND	6.8	0.46	ug/kg	
75-00-3	Chloroethane	ND	6.8	1.4	ug/kg	
67-66-3	Chloroform	ND	6.8	0.43	ug/kg	
74-87-3	Chloromethane	ND	6.8	0.23	ug/kg	
124-48-1	Dibromochloromethane	ND	6.8	0.15	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.8	0.19	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.8	0.90	ug/kg	
156-59-2	cis-1,2-Dichloroethene	0.42	6.8	0.33	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	6.8	0.61	ug/kg	
540-59-0	1,2-Dichloroethene (total)	0.42	6.8	0.33	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	6.8	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.8	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.8	0.13	ug/kg	
100-41-4	Ethylbenzene	30.1	1.4	0.51	ug/kg	
591-78-6	2-Hexanone	ND	6.8	1.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.4	0.38	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.8	1.1	ug/kg	
75-09-2	Methylene chloride	ND	6.8	0.30	ug/kg	
100-42-5	Styrene	ND	6.8	0.15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.8	0.40	ug/kg	
127-18-4	Tetrachloroethene	0.95	6.8	0.20	ug/kg	J
108-88-3	Toluene	2.7	1.4	0.40	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.8	0.17	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-19-15	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-3	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	6.8	0.25	ug/kg	
79-01-6	Trichloroethene	ND	6.8	0.72	ug/kg	
75-01-4	Vinyl chloride	ND	6.8	0.24	ug/kg	
1330-20-7	Xylene (total)	67.2	2.7	0.64	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		67-127%
17060-07-0	1,2-Dichloroethane-D4	74%		65-132%
2037-26-5	Toluene-D8	89%		74-129%
460-00-4	4-Bromofluorobenzene	74%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-19-15	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-3	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M29143.D	1	05/19/10	OYA	05/10/10	OP43504	E2M1237
Run #2							

Run #	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	57	ug/kg	
105-67-9	2,4-Dimethylphenol	620	180	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	700	43	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	700	43	ug/kg	
95-48-7	2-Methylphenol	ND	70	40	ug/kg	
	3&4-Methylphenol	ND	70	45	ug/kg	
88-75-5	2-Nitrophenol	ND	180	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	59	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	ND	70	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	33	ug/kg	
83-32-9	Acenaphthene	26.6	35	10	ug/kg	J
208-96-8	Acenaphthylene	ND	35	11	ug/kg	
120-12-7	Anthracene	14.8	35	12	ug/kg	J
56-55-3	Benzo(a)anthracene	ND	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	11	ug/kg	
86-74-8	Carbazole	ND	70	16	ug/kg	
218-01-9	Chrysene	ND	35	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	70	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	70	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-15	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-3	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	81.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	70	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	70	9.4	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	70	7.8	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	8.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	12	ug/kg	
132-64-9	Dibenzofuran	24.3	70	10	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	70	7.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	17	ug/kg	
84-66-2	Diethyl phthalate	ND	70	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	70	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	70	31	ug/kg	
206-44-0	Fluoranthene	25.8	35	15	ug/kg	J
86-73-7	Fluorene	18.2	35	12	ug/kg	J
118-74-1	Hexachlorobenzene	ND	70	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.8	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	36	ug/kg	
67-72-1	Hexachloroethane	ND	180	9.8	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	12	ug/kg	
78-59-1	Isophorone	ND	70	9.4	ug/kg	
91-57-6	2-Methylnaphthalene	31.8	70	20	ug/kg	J
88-74-4	2-Nitroaniline	ND	180	15	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	231	35	9.6	ug/kg	
98-95-3	Nitrobenzene	ND	70	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	8.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	21	ug/kg	
85-01-8	Phenanthrene	50.7	35	16	ug/kg	
129-00-0	Pyrene	21.3	35	13	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	70	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%		30-109%
4165-62-2	Phenol-d5	59%		28-108%
118-79-6	2,4,6-Tribromophenol	91%		28-125%
4165-60-0	Nitrobenzene-d5	62%		28-113%
321-60-8	2-Fluorobiphenyl	59%		38-107%

ND = Not detected MDL - Method Detection Limit

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E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-15		
Lab Sample ID:	JA45914-3	Date Sampled:	05/03/10
Matrix:	SO - Soil	Date Received:	05/05/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	81.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	84%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-S3	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-4	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2A94842.D	10	05/13/10	KPP	n/a	n/a	V2A4046
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	29	ug/l	
71-43-2	Benzene	45.9	10	2.3	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.2	ug/l	
75-25-2	Bromoform	ND	40	2.3	ug/l	
74-83-9	Bromomethane	ND	20	3.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	16	ug/l	
75-15-0	Carbon disulfide	ND	20	7.4	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.6	ug/l	
108-90-7	Chlorobenzene	ND	10	3.9	ug/l	
75-00-3	Chloroethane	ND	10	3.7	ug/l	
67-66-3	Chloroform	ND	10	2.3	ug/l	
74-87-3	Chloromethane	ND	10	2.9	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.9	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.3	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	2.5	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	10	2.2	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.7	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	536	10	2.7	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	8.6	ug/l	
75-09-2	Methylene chloride	ND	20	3.0	ug/l	
100-42-5	Styrene	ND	50	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.4	ug/l	
127-18-4	Tetrachloroethene	ND	10	2.7	ug/l	
108-88-3	Toluene	614	10	3.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.6	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-19-S3	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-4	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	10	2.3	ug/l	
79-01-6	Trichloroethene	ND	10	2.4	ug/l	
75-01-4	Vinyl chloride	ND	10	4.4	ug/l	
1330-20-7	Xylene (total)	2380	10	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-120%
17060-07-0	1,2-Dichloroethane-D4	95%		64-135%
2037-26-5	Toluene-D8	96%		76-117%
460-00-4	4-Bromofluorobenzene	94%		72-122%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID: PO-19-S3
Lab Sample ID: JA45914-4
Matrix: AQ - Ground Water
Method: SW846 8270C SW846 3510C
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 05/03/10
Date Received: 05/05/10
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E26493.D	1	05/12/10	OYA	05/07/10	OP43479	E3E1179
Run #2	3E26624.D	10	05/17/10	OYA	05/07/10	OP43479	E3E1182
Run #3	3E26571.D	100	05/14/10	OYA	05/07/10	OP43479	E3E1181
Run #4 ^a	3M19468.D	1	05/18/10	LP	05/11/10	OP43524	E3M833

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml
Run #4	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	9.3	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	302 ^b	10	3.7	ug/l	
208-96-8	Acenaphthylene	2.1	1.0	0.27	ug/l	
120-12-7	Anthracene	52.1	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	5.0	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	1.5	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	2.1	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	0.51	1.0	0.12	ug/l	J
207-08-9	Benzo(k)fluoranthene	0.83	1.0	0.38	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	148 ^b	10	1.7	ug/l	
218-01-9	Chrysene	4.4	1.0	0.11	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-S3	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-4	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	250 ^b	50	3.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	39.2	1.0	0.17	ug/l	
86-73-7	Fluorene	227 ^b	10	2.7	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.51	1.0	0.13	ug/l	J
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	817 ^b	10	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	7780 ^c	100	43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	274 ^b	10	2.1	ug/l	
129-00-0	Pyrene	25.9	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	18%	40%	0% ^d	13-68%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-S3	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-4	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	22%	28%	0% ^d	10-49%
118-79-6	2,4,6-Tribromophenol	92%	88%	0% ^d	37-130%
4165-60-0	Nitrobenzene-d5	64%	82%	0% ^d	25-112%
321-60-8	2-Fluorobiphenyl	78%	90%	0% ^d	31-106%
1718-51-0	Terphenyl-d14	83%	93%	0% ^d	14-122%

- (a) Confirmation run.
 (b) Result is from Run# 2
 (c) Result is from Run# 3
 (d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-19-16	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-5	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	82.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	V102862.D	1	05/17/10	JLI	n/a	n/a	VV4313
Run #2	V102868A.D	1	05/17/10	JLI	n/a	n/a	VV4313
Run #3	V102867.D	1	05/17/10	JLI	n/a	n/a	VV4313

	Initial Weight
Run #1	4.5 g
Run #2	1.0 g
Run #3	1.5 g

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	3.0	ug/kg	
71-43-2	Benzene	785 ^a	6.1	2.1	ug/kg	
75-27-4	Bromodichloromethane	ND	6.7	0.35	ug/kg	
75-25-2	Bromoform	ND	6.7	0.20	ug/kg	
74-83-9	Bromomethane	ND	6.7	0.54	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	2.7	ug/kg	
75-15-0	Carbon disulfide	0.82	6.7	0.41	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.7	0.75	ug/kg	
108-90-7	Chlorobenzene	ND	6.7	0.46	ug/kg	
75-00-3	Chloroethane	ND	6.7	1.3	ug/kg	
67-66-3	Chloroform	ND	6.7	0.43	ug/kg	
74-87-3	Chloromethane	ND	6.7	0.22	ug/kg	
124-48-1	Dibromochloromethane	ND	6.7	0.15	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.7	0.19	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.7	0.89	ug/kg	
156-59-2	cis-1,2-Dichloroethene	0.41	6.7	0.32	ug/kg	J
156-60-5	trans-1,2-Dichloroethene	ND	6.7	0.61	ug/kg	
540-59-0	1,2-Dichloroethene (total)	0.41	6.7	0.32	ug/kg	J
78-87-5	1,2-Dichloropropane	ND	6.7	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.7	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.7	0.13	ug/kg	
100-41-4	Ethylbenzene	169	1.3	0.50	ug/kg	
591-78-6	2-Hexanone	ND	6.7	1.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.38	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.7	1.1	ug/kg	
75-09-2	Methylene chloride	ND	6.7	0.30	ug/kg	
100-42-5	Styrene	ND	6.7	0.14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.7	0.40	ug/kg	
127-18-4	Tetrachloroethene	0.53	6.7	0.20	ug/kg	J

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-19-16	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-5	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	82.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	6.1	1.3	0.39	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.7	0.17	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.7	0.25	ug/kg	
79-01-6	Trichloroethene	ND	6.7	0.71	ug/kg	
75-01-4	Vinyl chloride	ND	6.7	0.24	ug/kg	
1330-20-7	Xylene (total)	331	2.7	0.63	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	85%	84%	84%	67-127%
17060-07-0	1,2-Dichloroethane-D4	74%	68%	71%	65-132%
2037-26-5	Toluene-D8	91%	90%	90%	74-129%
460-00-4	4-Bromofluorobenzene	77%	74%	76%	62-138%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-19-16	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-5	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	82.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M29144.D	1	05/19/10	OYA	05/10/10	OP43504	E2M1237
Run #2							

Run #	Initial Weight	Final Volume
Run #1	35.4 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	170	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	34	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	55	ug/kg	
105-67-9	2,4-Dimethylphenol	837	170	58	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	690	42	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	690	42	ug/kg	
95-48-7	2-Methylphenol	ND	69	39	ug/kg	
	3&4-Methylphenol	ND	69	44	ug/kg	
88-75-5	2-Nitrophenol	ND	170	36	ug/kg	
100-02-7	4-Nitrophenol	ND	340	58	ug/kg	
87-86-5	Pentachlorophenol	ND	340	59	ug/kg	
108-95-2	Phenol	ND	69	36	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	40	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	32	ug/kg	
83-32-9	Acenaphthene	132	34	9.9	ug/kg	
208-96-8	Acenaphthylene	ND	34	11	ug/kg	
120-12-7	Anthracene	16.9	34	12	ug/kg	J
56-55-3	Benzo(a)anthracene	ND	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	34	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	34	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	34	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	69	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	69	11	ug/kg	
106-47-8	4-Chloroaniline	ND	170	11	ug/kg	
86-74-8	Carbazole	ND	69	16	ug/kg	
218-01-9	Chrysene	ND	34	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	69	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	69	10	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	69	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	69	10	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-16	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-5	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	82.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	69	9.9	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	69	9.2	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	69	7.6	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	69	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	69	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	170	8.7	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	34	12	ug/kg	
132-64-9	Dibenzofuran	90.2	69	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	69	7.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	69	17	ug/kg	
84-66-2	Diethyl phthalate	ND	69	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	69	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	30	ug/kg	
206-44-0	Fluoranthene	21.4	34	15	ug/kg	J
86-73-7	Fluorene	22.5	34	11	ug/kg	J
118-74-1	Hexachlorobenzene	ND	69	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.5	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.5	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	34	12	ug/kg	
78-59-1	Isophorone	ND	69	9.2	ug/kg	
91-57-6	2-Methylnaphthalene	145	69	19	ug/kg	
88-74-4	2-Nitroaniline	ND	170	15	ug/kg	
99-09-2	3-Nitroaniline	ND	170	14	ug/kg	
100-01-6	4-Nitroaniline	ND	170	13	ug/kg	
91-20-3	Naphthalene	801	34	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	69	9.9	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	8.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	106	34	16	ug/kg	
129-00-0	Pyrene	16.6	34	13	ug/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	69	9.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		30-109%
4165-62-2	Phenol-d5	61%		28-108%
118-79-6	2,4,6-Tribromophenol	88%		28-125%
4165-60-0	Nitrobenzene-d5	64%		28-113%
321-60-8	2-Fluorobiphenyl	61%		38-107%

ND = Not detected MDL - Method Detection Limit

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E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-16	Date Sampled:	05/03/10
Lab Sample ID:	JA45914-5	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	82.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	77%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-S4	Date Sampled:	05/04/10
Lab Sample ID:	JA45914-6	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2A94845.D	20	05/14/10	KPP	n/a	n/a	V2A4046
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	587	200	57	ug/l	
71-43-2	Benzene	111	20	4.7	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.4	ug/l	
75-25-2	Bromoform	ND	80	4.6	ug/l	
74-83-9	Bromomethane	29.3	40	5.9	ug/l	J
78-93-3	2-Butanone (MEK)	ND	200	32	ug/l	
75-15-0	Carbon disulfide	112	40	15	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.1	ug/l	
108-90-7	Chlorobenzene	ND	20	7.8	ug/l	
75-00-3	Chloroethane	ND	20	7.4	ug/l	
67-66-3	Chloroform	ND	20	4.7	ug/l	
74-87-3	Chloromethane	200	20	5.8	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.3	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	6.7	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	7.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	20	4.3	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	20	5.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	20	4.3	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	5.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.3	ug/l	
100-41-4	Ethylbenzene	1460	20	5.4	ug/l	
591-78-6	2-Hexanone	ND	100	28	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	4.7	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	17	ug/l	
75-09-2	Methylene chloride	ND	40	6.1	ug/l	
100-42-5	Styrene	ND	100	12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.8	ug/l	
127-18-4	Tetrachloroethene	ND	20	5.3	ug/l	
108-88-3	Toluene	1570	20	6.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	5.1	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-19-S4	Date Sampled:	05/04/10
Lab Sample ID:	JA45914-6	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	20	4.6	ug/l	
79-01-6	Trichloroethene	ND	20	4.8	ug/l	
75-01-4	Vinyl chloride	ND	20	8.9	ug/l	
1330-20-7	Xylene (total)	5740	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		76-120%
17060-07-0	1,2-Dichloroethane-D4	93%		64-135%
2037-26-5	Toluene-D8	96%		76-117%
460-00-4	4-Bromofluorobenzene	96%		72-122%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID: PO-19-S4
Lab Sample ID: JA45914-6
Matrix: AQ - Ground Water
Method: SW846 8270C SW846 3510C
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 05/04/10
Date Received: 05/05/10
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19469.D	1	05/18/10	LP	05/11/10	OP43524	E3M833
Run #2	3E26650.D	1	05/18/10	OYA	05/11/10	OP43524	E3E1183
Run #3	3E26651.D	1	05/18/10	OYA	05/11/10	OP43524	E3E1183

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	10.0 ml
Run #3	1000 ml	100 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	225 ^a	50	17	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
95-48-7	2-Methylphenol	86.8 ^a	20	11	ug/l	
	3&4-Methylphenol	106 ^a	20	10	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	224 ^a	20	5.8	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	40.0	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	12.1	1.0	0.27	ug/l	
120-12-7	Anthracene	8.1	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	0.57	1.0	0.12	ug/l	J
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	65.9	1.0	0.17	ug/l	
218-01-9	Chrysene	0.50	1.0	0.11	ug/l	J
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-S4	Date Sampled:	05/04/10
Lab Sample ID:	JA45914-6	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	30.6	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	5.7	2.0	0.33	ug/l	
206-44-0	Fluoranthene	4.8	1.0	0.17	ug/l	
86-73-7	Fluorene	19.9	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	156 ^a	10	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	3030 ^b	100	43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	25.1	1.0	0.21	ug/l	
129-00-0	Pyrene	2.9	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	45%	68%	0% ^c	13-68%
4165-62-2	Phenol-d5	47%	56% ^d	0% ^c	10-49%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-S4	Date Sampled:	05/04/10
Lab Sample ID:	JA45914-6	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
118-79-6	2,4,6-Tribromophenol	99%	103%	0% ^c	37-130%
4165-60-0	Nitrobenzene-d5	87%	93%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	83%	79%	0% ^c	31-106%
1718-51-0	Terphenyl-d14	75%	79%	0% ^c	14-122%

(a) Result is from Run# 2

(b) Result is from Run# 3

(c) Outside control limits due to dilution.

(d) Outside of in house control limits, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PO-19-S4	Date Sampled:	05/04/10
Lab Sample ID:	JA45914-6	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8015B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV81528.D	1	05/08/10	CY	n/a	n/a	GUV3225
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	24.6	0.20	0.032	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	91%		68-114%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PO-19-S4	Date Sampled:	05/04/10
Lab Sample ID:	JA45914-6	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846-8015 SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z23349.D	1	05/09/10	OPM	05/06/10	OP43460	G3Z701
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	32.9	0.10	0.039	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
84-15-1	o-Terphenyl	127%		34-139%		
16416-32-3	Tetracosane-d50	5% ^a		34-141%		
438-22-2	5a-Androstane	43%		26-140%		

(a) Outside control limits due to matrix interference, no sample left for re-extraction.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-19-S5	Date Sampled:	05/04/10
Lab Sample ID:	JA45914-7	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A94869.D	10	05/14/10	KPP	n/a	n/a	V2A4047
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	1120	100	29	ug/l	
71-43-2	Benzene	772	10	2.3	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.2	ug/l	
75-25-2	Bromoform	ND	40	2.3	ug/l	
74-83-9	Bromomethane	16.0	20	3.0	ug/l	J
78-93-3	2-Butanone (MEK)	140	100	16	ug/l	
75-15-0	Carbon disulfide	16.0	20	7.4	ug/l	J
56-23-5	Carbon tetrachloride	ND	10	2.6	ug/l	
108-90-7	Chlorobenzene	ND	10	3.9	ug/l	
75-00-3	Chloroethane	ND	10	3.7	ug/l	
67-66-3	Chloroform	ND	10	2.3	ug/l	
74-87-3	Chloromethane	119	10	2.9	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.9	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.3	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	2.5	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	10	2.2	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.7	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	557	10	2.7	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	8.6	ug/l	
75-09-2	Methylene chloride	ND	20	3.0	ug/l	
100-42-5	Styrene	ND	50	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.4	ug/l	
127-18-4	Tetrachloroethene	ND	10	2.7	ug/l	
108-88-3	Toluene	693	10	3.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.6	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-19-S5	Date Sampled:	05/04/10
Lab Sample ID:	JA45914-7	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	10	2.3	ug/l	
79-01-6	Trichloroethene	ND	10	2.4	ug/l	
75-01-4	Vinyl chloride	ND	10	4.4	ug/l	
1330-20-7	Xylene (total)	2090	10	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		76-120%
17060-07-0	1,2-Dichloroethane-D4	93%		64-135%
2037-26-5	Toluene-D8	97%		76-117%
460-00-4	4-Bromofluorobenzene	95%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID: PO-19-S5
Lab Sample ID: JA45914-7
Matrix: AQ - Ground Water
Method: SW846 8270C SW846 3510C
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 05/04/10

Date Received: 05/05/10

Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19470.D	1	05/18/10	LP	05/11/10	OP43524	E3M833
Run #2	3E26652.D	1	05/18/10	OYA	05/11/10	OP43524	E3E1183
Run #3	3E26653.D	1	05/18/10	OYA	05/11/10	OP43524	E3E1183

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	10.0 ml
Run #3	1000 ml	50.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	75.4 ^a	50	17	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	88.5 ^a	20	10	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	749 ^a	20	5.8	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	44.5	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	74.5	1.0	0.27	ug/l	
120-12-7	Anthracene	12.5	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	1.1	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	0.51	1.0	0.095	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.56	1.0	0.25	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	0.47	1.0	0.38	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	35.3	1.0	0.17	ug/l	
218-01-9	Chrysene	1.0	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-S5	Date Sampled:	05/04/10
Lab Sample ID:	JA45914-7	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	40.8	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	3.2	2.0	0.33	ug/l	
206-44-0	Fluoranthene	8.5	1.0	0.17	ug/l	
86-73-7	Fluorene	29.2	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	152 ^a	10	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	2320 ^b	50	21	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	51.0	1.0	0.21	ug/l	
129-00-0	Pyrene	5.7	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	60%	77% ^c	0% ^d	13-68%
4165-62-2	Phenol-d5	56% ^c	41%	0% ^d	10-49%
118-79-6	2,4,6-Tribromophenol	89%	95%	86%	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PO-19-S5	Date Sampled:	05/04/10
Lab Sample ID:	JA45914-7	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	87%	78%	0% ^d	25-112%
321-60-8	2-Fluorobiphenyl	73%	71%	69%	31-106%
1718-51-0	Terphenyl-d14	54%	55%	50%	14-122%

(a) Result is from Run# 2

(b) Result is from Run# 3

(c) Outside of in house control limits, but within reasonable method recovery limits.

(d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PO-19-S5	Date Sampled:	05/04/10
Lab Sample ID:	JA45914-7	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846-8015 SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z23535.D	1	05/13/10	DNM	05/11/10	OP43519	G3Z705
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	27.5	0.10	0.039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	82%		34-139%
16416-32-3	Tetracosane-d50	35%		34-141%
438-22-2	5a-Androstane	125%		26-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-27-1S	Date Sampled:	05/04/10
Lab Sample ID:	JA45914-8	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	78.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	E164612.D	1	05/17/10	OTR	n/a	n/a	VE7258
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.5 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	750	170	ug/kg	J
71-43-2	Benzene	26.9	75	26	ug/kg	
75-27-4	Bromodichloromethane	ND	370	19	ug/kg	
75-25-2	Bromoform	ND	370	11	ug/kg	
74-83-9	Bromomethane	ND	370	30	ug/kg	
78-93-3	2-Butanone (MEK)	ND	750	150	ug/kg	
75-15-0	Carbon disulfide	ND	370	23	ug/kg	
56-23-5	Carbon tetrachloride	ND	370	42	ug/kg	
108-90-7	Chlorobenzene	ND	370	25	ug/kg	
75-00-3	Chloroethane	ND	370	75	ug/kg	
67-66-3	Chloroform	ND	370	24	ug/kg	
74-87-3	Chloromethane	ND	370	12	ug/kg	
124-48-1	Dibromochloromethane	ND	370	8.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	370	10	ug/kg	
107-06-2	1,2-Dichloroethane	ND	75	26	ug/kg	
75-35-4	1,1-Dichloroethene	ND	370	50	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	370	18	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	370	34	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	370	18	ug/kg	
78-87-5	1,2-Dichloropropane	ND	370	9.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	370	10	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	370	7.2	ug/kg	
100-41-4	Ethylbenzene	1290	75	28	ug/kg	
591-78-6	2-Hexanone	ND	370	72	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	75	21	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	370	61	ug/kg	
75-09-2	Methylene chloride	ND	370	17	ug/kg	
100-42-5	Styrene	ND	370	8.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	370	22	ug/kg	
127-18-4	Tetrachloroethene	ND	370	11	ug/kg	
108-88-3	Toluene	268	75	22	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	370	9.6	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-1S	Date Sampled:	05/04/10
Lab Sample ID:	JA45914-8	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	78.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	370	14	ug/kg	
79-01-6	Trichloroethene	ND	370	39	ug/kg	
75-01-4	Vinyl chloride	ND	370	13	ug/kg	
1330-20-7	Xylene (total)	5540	150	35	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	94%		65-132%
2037-26-5	Toluene-D8	98%		74-129%
460-00-4	4-Bromofluorobenzene	106%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-1S	Date Sampled:	05/04/10
Lab Sample ID:	JA45914-8	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	78.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M29145.D	1	05/19/10	OYA	05/10/10	OP43504	E2M1237
Run #2	2M29152.D	4	05/19/10	OYA	05/10/10	OP43504	E2M1237

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	37	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	59	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	61	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	730	44	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	730	44	ug/kg	
95-48-7	2-Methylphenol	ND	73	41	ug/kg	
	3&4-Methylphenol	ND	73	46	ug/kg	
88-75-5	2-Nitrophenol	ND	180	39	ug/kg	
100-02-7	4-Nitrophenol	ND	360	61	ug/kg	
87-86-5	Pentachlorophenol	ND	360	62	ug/kg	
108-95-2	Phenol	ND	73	38	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	515	36	11	ug/kg	
208-96-8	Acenaphthylene	49.0	36	12	ug/kg	
120-12-7	Anthracene	787	36	13	ug/kg	
56-55-3	Benzo(a)anthracene	63.3	36	12	ug/kg	
50-32-8	Benzo(a)pyrene	21.1	36	11	ug/kg	J
205-99-2	Benzo(b)fluoranthene	ND	36	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	36	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	36	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	754	73	17	ug/kg	
218-01-9	Chrysene	74.9	36	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	73	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-1S	Date Sampled:	05/04/10
Lab Sample ID:	JA45914-8	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	78.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	73	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	73	9.7	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	73	8.1	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	73	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	73	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	12	ug/kg	
132-64-9	Dibenzofuran	480	73	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	8.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	18	ug/kg	
84-66-2	Diethyl phthalate	ND	73	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	73	32	ug/kg	
206-44-0	Fluoranthene	637	36	16	ug/kg	
86-73-7	Fluorene	845	36	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	730	37	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36	13	ug/kg	
78-59-1	Isophorone	ND	73	9.8	ug/kg	
91-57-6	2-Methylnaphthalene	888	73	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	15	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	5890 ^a	150	40	ug/kg	
98-95-3	Nitrobenzene	ND	73	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	8.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	22	ug/kg	
85-01-8	Phenanthrene	1480	36	17	ug/kg	
129-00-0	Pyrene	482	36	14	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	73	9.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	76%	45%	30-109%
4165-62-2	Phenol-d5	63%	36%	28-108%
118-79-6	2,4,6-Tribromophenol	64%	63%	28-125%
4165-60-0	Nitrobenzene-d5	59%	52%	28-113%
321-60-8	2-Fluorobiphenyl	57%	52%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-1S		
Lab Sample ID:	JA45914-8	Date Sampled:	05/04/10
Matrix:	SO - Soil	Date Received:	05/05/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	78.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	61%	60%	31-116%

(a) Result is from Run# 2

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PO-27-1S		
Lab Sample ID:	JA45914-8R	Date Sampled:	05/04/10
Matrix:	SO - Soil	Date Received:	05/05/10
Method:	SW846 8015B	Percent Solids:	78.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PF82280.D	1	05/12/10	CY	n/a	n/a	GPF2041
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.1 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	18.4	15	3.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	97%		66-119%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PO-27-1S		
Lab Sample ID:	JA45914-8R	Date Sampled:	05/04/10
Matrix:	SO - Soil	Date Received:	05/05/10
Method:	SW846-8015 SW846 3545	Percent Solids:	78.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y22733.D	1	05/15/10	DNM	05/12/10	OP43543	G3Y685
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	502	7.5	3.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	120%		17-148%
16416-32-3	Tetracosane-d50	99%		29-151%
438-22-2	5a-Androstane	107%		19-161%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-2S	Date Sampled:	05/04/10
Lab Sample ID:	JA45914-9	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	75.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	E164613.D	1	05/17/10	OTR	n/a	n/a	VE7258
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.4 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	860	190	ug/kg	
71-43-2	Benzene	ND	86	29	ug/kg	
75-27-4	Bromodichloromethane	ND	430	22	ug/kg	
75-25-2	Bromoform	ND	430	13	ug/kg	
74-83-9	Bromomethane	ND	430	35	ug/kg	
78-93-3	2-Butanone (MEK)	ND	860	170	ug/kg	
75-15-0	Carbon disulfide	ND	430	26	ug/kg	
56-23-5	Carbon tetrachloride	ND	430	48	ug/kg	
108-90-7	Chlorobenzene	ND	430	29	ug/kg	
75-00-3	Chloroethane	ND	430	86	ug/kg	
67-66-3	Chloroform	ND	430	27	ug/kg	
74-87-3	Chloromethane	ND	430	14	ug/kg	
124-48-1	Dibromochloromethane	ND	430	9.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	430	12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	86	30	ug/kg	
75-35-4	1,1-Dichloroethene	ND	430	57	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	430	21	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	430	39	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	430	21	ug/kg	
78-87-5	1,2-Dichloropropane	ND	430	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	430	11	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	430	8.3	ug/kg	
100-41-4	Ethylbenzene	965	86	32	ug/kg	
591-78-6	2-Hexanone	ND	430	83	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	86	24	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	430	70	ug/kg	
75-09-2	Methylene chloride	ND	430	19	ug/kg	
100-42-5	Styrene	ND	430	9.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	430	25	ug/kg	
127-18-4	Tetrachloroethene	ND	430	13	ug/kg	
108-88-3	Toluene	554	86	25	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	430	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.10

3

Client Sample ID:	PO-27-2S	Date Sampled:	05/04/10
Lab Sample ID:	JA45914-9	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	75.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	430	16	ug/kg	
79-01-6	Trichloroethene	ND	430	45	ug/kg	
75-01-4	Vinyl chloride	ND	430	15	ug/kg	
1330-20-7	Xylene (total)	4640	170	40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		67-127%
17060-07-0	1,2-Dichloroethane-D4	95%		65-132%
2037-26-5	Toluene-D8	97%		74-129%
460-00-4	4-Bromofluorobenzene	105%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3.10

3

Client Sample ID: PO-27-2S

Lab Sample ID: JA45914-9

Date Sampled: 05/04/10

Matrix: SO - Soil

Date Received: 05/05/10

Method: SW846 8270C SW846 3550B

Percent Solids: 75.7

Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M29148.D	1	05/19/10	OYA	05/10/10	OP43504	E2M1237
Run #2	2M29191.D	100	05/20/10	OYA	05/10/10	OP43504	E2M1239
Run #3	2M29190.D	2000	05/20/10	OYA	05/10/10	OP43504	E2M1239

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml
Run #3	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	38	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	60	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	63	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	750	46	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	750	46	ug/kg	
95-48-7	2-Methylphenol	ND	75	43	ug/kg	
	3&4-Methylphenol	ND	75	48	ug/kg	
88-75-5	2-Nitrophenol	ND	190	40	ug/kg	
100-02-7	4-Nitrophenol	ND	380	63	ug/kg	
87-86-5	Pentachlorophenol	ND	380	64	ug/kg	
108-95-2	Phenol	ND	75	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	44	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	35	ug/kg	
83-32-9	Acenaphthene	65600 ^a	3800	1100	ug/kg	
208-96-8	Acenaphthylene	13100 ^a	3800	1200	ug/kg	
120-12-7	Anthracene	35800 ^a	3800	1300	ug/kg	
56-55-3	Benzo(a)anthracene	8540 ^a	3800	1200	ug/kg	
50-32-8	Benzo(a)pyrene	5060 ^a	3800	1100	ug/kg	
205-99-2	Benzo(b)fluoranthene	3000	38	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	2350	38	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	3580	38	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	75	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	75	22	ug/kg	
91-58-7	2-Chloronaphthalene	ND	75	12	ug/kg	
106-47-8	4-Chloroaniline	ND	190	12	ug/kg	
86-74-8	Carbazole	8870 ^a	7500	1700	ug/kg	
218-01-9	Chrysene	9060 ^a	3800	1300	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	75	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	75	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-2S	Date Sampled:	05/04/10
Lab Sample ID:	JA45914-9	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	75.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	75	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	75	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	75	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	75	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	75	8.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	75	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	75	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	9.5	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1060	38	13	ug/kg	
132-64-9	Dibenzofuran	62500 ^a	7500	1100	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	75	8.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	75	18	ug/kg	
84-66-2	Diethyl phthalate	ND	75	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	75	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	75	33	ug/kg	
206-44-0	Fluoranthene	44000 ^a	3800	1700	ug/kg	
86-73-7	Fluorene	58400 ^a	3800	1200	ug/kg	
118-74-1	Hexachlorobenzene	ND	75	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	750	38	ug/kg	
67-72-1	Hexachloroethane	ND	190	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	2160	38	13	ug/kg	
78-59-1	Isophorone	ND	75	10	ug/kg	
91-57-6	2-Methylnaphthalene	173000 ^a	7500	2100	ug/kg	
88-74-4	2-Nitroaniline	ND	190	17	ug/kg	
99-09-2	3-Nitroaniline	ND	190	15	ug/kg	
100-01-6	4-Nitroaniline	ND	190	15	ug/kg	
91-20-3	Naphthalene	2490000 ^b	75000	20000	ug/kg	
98-95-3	Nitrobenzene	ND	75	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	75	9.2	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	22	ug/kg	
85-01-8	Phenanthrene	146000 ^a	3800	1700	ug/kg	
129-00-0	Pyrene	35500 ^a	3800	1400	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	75	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	93%	0% ^c	0% ^c	30-109%
4165-62-2	Phenol-d5	82%	0% ^c	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	132% ^d	0% ^c	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PO-27-2S		
Lab Sample ID:	JA45914-9	Date Sampled:	05/04/10
Matrix:	SO - Soil	Date Received:	05/05/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	75.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	79%	0% ^c	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	82%	0% ^c	0% ^c	38-107%
1718-51-0	Terphenyl-d14	93%	0% ^c	0% ^c	31-116%

- (a) Result is from Run# 2
 (b) Result is from Run# 3
 (c) Outside control limits due to dilution.
 (d) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PO-27-2S		
Lab Sample ID:	JA45914-9R	Date Sampled:	05/04/10
Matrix:	SO - Soil	Date Received:	05/05/10
Method:	SW846 8015B	Percent Solids:	75.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PF82281.D	1	05/12/10	CY	n/a	n/a	GPF2041
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	27.8	16	4.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	96%		66-119%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-2S		
Lab Sample ID:	JA45914-9R	Date Sampled:	05/04/10
Matrix:	SO - Soil	Date Received:	05/05/10
Method:	SW846-8015 SW846 3545	Percent Solids:	75.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y22779.D	10	05/18/10	DNM	05/12/10	OP43543	G3Y686
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	4500	78	39	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	123%		17-148%
16416-32-3	Tetracosane-d50	143%		29-151%
438-22-2	5a-Androstane	91%		19-161%

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-27-S1	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-10	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2A94847.D	10	05/14/10	KPP	n/a	n/a	V2A4046
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	198	100	29	ug/l	
71-43-2	Benzene	177	10	2.3	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.2	ug/l	
75-25-2	Bromoform	ND	40	2.3	ug/l	
74-83-9	Bromomethane	ND	20	3.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	16	ug/l	
75-15-0	Carbon disulfide	108	20	7.4	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.6	ug/l	
108-90-7	Chlorobenzene	ND	10	3.9	ug/l	
75-00-3	Chloroethane	ND	10	3.7	ug/l	
67-66-3	Chloroform	ND	10	2.3	ug/l	
74-87-3	Chloromethane	ND	10	2.9	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.9	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.3	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	2.5	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	10	2.2	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.7	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	388	10	2.7	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	8.6	ug/l	
75-09-2	Methylene chloride	ND	20	3.0	ug/l	
100-42-5	Styrene	ND	50	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.4	ug/l	
127-18-4	Tetrachloroethene	ND	10	2.7	ug/l	
108-88-3	Toluene	342	10	3.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.6	ug/l	

ND = Not detected MDL - Method Detection Limit

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-S1	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-10	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	10	2.3	ug/l	
79-01-6	Trichloroethene	ND	10	2.4	ug/l	
75-01-4	Vinyl chloride	ND	10	4.4	ug/l	
1330-20-7	Xylene (total)	1960	10	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		76-120%
17060-07-0	1,2-Dichloroethane-D4	93%		64-135%
2037-26-5	Toluene-D8	96%		76-117%
460-00-4	4-Bromofluorobenzene	94%		72-122%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
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 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-27-S1	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-10	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19471.D	1	05/18/10	LP	05/11/10	OP43524	E3M833
Run #2	3E26654.D	1	05/18/10	OYA	05/11/10	OP43524	E3E1183
Run #3	3E26655.D	1	05/18/10	OYA	05/11/10	OP43524	E3E1183

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	10.0 ml
Run #3	1000 ml	100 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	40.9	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	28.7	2.0	1.1	ug/l	
	3&4-Methylphenol	50.4	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	21.0	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	44.1	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	5.7	1.0	0.27	ug/l	
120-12-7	Anthracene	4.4	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	115 ^a	10	1.7	ug/l	
218-01-9	Chrysene	ND	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

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E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-S1	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-10	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	33.7	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	1.7	1.0	0.17	ug/l	
86-73-7	Fluorene	22.0	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	199 ^a	10	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	5270 ^b	100	43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	17.6	1.0	0.21	ug/l	
129-00-0	Pyrene	1.0	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	24%	0% ^c	0% ^c	13-68%
4165-62-2	Phenol-d5	19%	19%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	66%	77%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-S1		
Lab Sample ID:	JA45914-10	Date Sampled:	05/05/10
Matrix:	AQ - Ground Water	Date Received:	05/05/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	100%	81%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	84%	78%	0% ^c	31-106%
1718-51-0	Terphenyl-d14	87%	88%	0% ^c	14-122%

- (a) Result is from Run# 2
(b) Result is from Run# 3
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PO-27-S1						
Lab Sample ID:	JA45914-10			Date Sampled:	05/05/10		
Matrix:	AQ - Ground Water			Date Received:	05/05/10		
Method:	SW846 8015B			Percent Solids:	n/a		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV81524.D	1	05/07/10	CY	n/a	n/a	GUV3225
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	7.74	0.20	0.032	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	92%		68-114%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PO-27-S1		
Lab Sample ID:	JA45914-10	Date Sampled:	05/05/10
Matrix:	AQ - Ground Water	Date Received:	05/05/10
Method:	SW846-8015 SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z23536.D	1	05/14/10	DNM	05/11/10	OP43519	G3Z705
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	16.1	0.10	0.039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	62%		34-139%
16416-32-3	Tetracosane-d50	59%		34-141%
438-22-2	5a-Androstane	60%		26-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
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 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-S2	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-11	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2A94848.D	20	05/14/10	KPP	n/a	n/a	V2A4046
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	200	57	ug/l	
71-43-2	Benzene	1280	20	4.7	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.4	ug/l	
75-25-2	Bromoform	ND	80	4.6	ug/l	
74-83-9	Bromomethane	ND	40	5.9	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	32	ug/l	
75-15-0	Carbon disulfide	ND	40	15	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.1	ug/l	
108-90-7	Chlorobenzene	ND	20	7.8	ug/l	
75-00-3	Chloroethane	ND	20	7.4	ug/l	
67-66-3	Chloroform	ND	20	4.7	ug/l	
74-87-3	Chloromethane	ND	20	5.8	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.3	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	6.7	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	7.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	20	4.3	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	20	5.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	20	4.3	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	5.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.3	ug/l	
100-41-4	Ethylbenzene	748	20	5.4	ug/l	
591-78-6	2-Hexanone	ND	100	28	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	4.7	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	17	ug/l	
75-09-2	Methylene chloride	ND	40	6.1	ug/l	
100-42-5	Styrene	ND	100	12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.8	ug/l	
127-18-4	Tetrachloroethene	ND	20	5.3	ug/l	
108-88-3	Toluene	1880	20	6.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	5.1	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-S2	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-11	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	20	4.6	ug/l	
79-01-6	Trichloroethene	ND	20	4.8	ug/l	
75-01-4	Vinyl chloride	ND	20	8.9	ug/l	
1330-20-7	Xylene (total)	3120	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		76-120%
17060-07-0	1,2-Dichloroethane-D4	92%		64-135%
2037-26-5	Toluene-D8	98%		76-117%
460-00-4	4-Bromofluorobenzene	95%		72-122%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	PO-27-S2	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-11	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19472.D	1	05/18/10	LP	05/11/10	OP43524	E3M833
Run #2	3E26656.D	1	05/18/10	OYA	05/11/10	OP43524	E3E1183
Run #3	3E26657.D	1	05/18/10	OYA	05/11/10	OP43524	E3E1183

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	10.0 ml
Run #3	1000 ml	100 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	85.5	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	123 ^a	20	11	ug/l	
	3&4-Methylphenol	62.7	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	73.4	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	7.7	1.0	0.27	ug/l	
120-12-7	Anthracene	21.1	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	1.9	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	1.0	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	0.95	1.0	0.25	ug/l	J
191-24-2	Benzo(g,h,i)perylene	0.38	1.0	0.12	ug/l	J
207-08-9	Benzo(k)fluoranthene	0.57	1.0	0.38	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	120 ^a	10	1.7	ug/l	
218-01-9	Chrysene	1.7	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-S2	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-11	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	65.5	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.8	2.0	0.33	ug/l	
206-44-0	Fluoranthene	14.5	1.0	0.17	ug/l	
86-73-7	Fluorene	54.5	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	0.39	1.0	0.13	ug/l	J
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	228 ^a	10	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	4250 ^b	100	43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	85.5	1.0	0.21	ug/l	
129-00-0	Pyrene	9.7	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	29%	0% ^c	0% ^c	13-68%
4165-62-2	Phenol-d5	21%	0% ^c	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	81%	72%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	PO-27-S2			Date Sampled:	05/05/10
Lab Sample ID:	JA45914-11			Date Received:	05/05/10
Matrix:	AQ - Ground Water			Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C				
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY				

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	85%	70%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	83%	71%	0% ^c	31-106%
1718-51-0	Terphenyl-d14	79%	77%	0% ^c	14-122%

- (a) Result is from Run# 2
 (b) Result is from Run# 3
 (c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	PO-27-S2	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-11	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8015B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV81525.D	1	05/08/10	CY	n/a	n/a	GUV3225
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	17.6	0.20	0.032	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	91%		68-114%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-S2	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-11	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846-8015 SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z23537.D	1	05/14/10	DNM	05/11/10	OP43519	G3Z705
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	22.2	0.10	0.039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	94%		34-139%
16416-32-3	Tetracosane-d50	90%		34-141%
438-22-2	5a-Androstane	55%		26-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	TRIP BLANK	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-12	Date Received:	05/05/10
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A94875.D	1	05/14/10	KPP	n/a	n/a	V2A4047
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	2.9	ug/l	
71-43-2	Benzene	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	ND	1.0	0.30	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	TRIP BLANK	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-12	Date Received:	05/05/10
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		76-120%
17060-07-0	1,2-Dichloroethane-D4	91%		64-135%
2037-26-5	Toluene-D8	95%		76-117%
460-00-4	4-Bromofluorobenzene	91%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-5S	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-13	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	77.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X103373.D	1	05/19/10	JTP	n/a	n/a	VX4363
Run #2							

	Initial Weight
Run #1	5.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	24.5	12	2.8	ug/kg	
71-43-2	Benzene	ND	1.2	0.42	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	0.32	ug/kg	
75-25-2	Bromoform	ND	6.2	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.2	0.50	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.4	ug/kg	
75-15-0	Carbon disulfide	1.3	6.2	0.38	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.2	0.69	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	0.42	ug/kg	
75-00-3	Chloroethane	ND	6.2	1.2	ug/kg	
67-66-3	Chloroform	ND	6.2	0.40	ug/kg	
74-87-3	Chloromethane	ND	6.2	0.20	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	0.14	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.43	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.2	0.82	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.2	0.30	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.2	0.56	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6.2	0.30	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.2	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.2	0.12	ug/kg	
100-41-4	Ethylbenzene	0.52	1.2	0.46	ug/kg	J
591-78-6	2-Hexanone	ND	6.2	1.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.35	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.2	1.0	ug/kg	
75-09-2	Methylene chloride	ND	6.2	0.28	ug/kg	
100-42-5	Styrene	ND	6.2	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	0.36	ug/kg	
127-18-4	Tetrachloroethene	0.54	6.2	0.18	ug/kg	J
108-88-3	Toluene	0.54	1.2	0.36	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	6.2	0.16	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-5S	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-13	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	77.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	6.2	0.23	ug/kg	
79-01-6	Trichloroethene	ND	6.2	0.65	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	0.22	ug/kg	
1330-20-7	Xylene (total)	2.4	2.5	0.58	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		67-127%
17060-07-0	1,2-Dichloroethane-D4	97%		65-132%
2037-26-5	Toluene-D8	102%		74-129%
460-00-4	4-Bromofluorobenzene	100%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-5S		
Lab Sample ID:	JA45914-13	Date Sampled:	05/05/10
Matrix:	SO - Soil	Date Received:	05/05/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	77.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M29146.D	1	05/19/10	OYA	05/10/10	OP43504	E2M1237
Run #2							

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	37	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	59	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	62	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	730	45	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	730	45	ug/kg	
95-48-7	2-Methylphenol	ND	73	42	ug/kg	
	3&4-Methylphenol	ND	73	47	ug/kg	
88-75-5	2-Nitrophenol	ND	180	39	ug/kg	
100-02-7	4-Nitrophenol	ND	370	62	ug/kg	
87-86-5	Pentachlorophenol	ND	370	63	ug/kg	
108-95-2	Phenol	ND	73	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	35	ug/kg	
83-32-9	Acenaphthene	156	37	11	ug/kg	
208-96-8	Acenaphthylene	ND	37	12	ug/kg	
120-12-7	Anthracene	139	37	13	ug/kg	
56-55-3	Benzo(a)anthracene	75.7	37	12	ug/kg	
50-32-8	Benzo(a)pyrene	41.8	37	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	132	37	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	24.6	37	14	ug/kg	J
207-08-9	Benzo(k)fluoranthene	29.3	37	14	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	73	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	87.4	73	17	ug/kg	
218-01-9	Chrysene	110	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	73	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-5S	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-13	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	77.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	73	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	73	9.8	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	73	8.2	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	73	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	73	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	13	ug/kg	
132-64-9	Dibenzofuran	93.9	73	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	8.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	18	ug/kg	
84-66-2	Diethyl phthalate	ND	73	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	73	32	ug/kg	
206-44-0	Fluoranthene	176	37	16	ug/kg	
86-73-7	Fluorene	125	37	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	730	37	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	24.7	37	13	ug/kg	J
78-59-1	Isophorone	ND	73	9.9	ug/kg	
91-57-6	2-Methylnaphthalene	30.3	73	20	ug/kg	J
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	15	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	335	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	73	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	9.0	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	22	ug/kg	
85-01-8	Phenanthrene	224	37	17	ug/kg	
129-00-0	Pyrene	212	37	14	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	73	9.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%		30-109%
4165-62-2	Phenol-d5	58%		28-108%
118-79-6	2,4,6-Tribromophenol	79%		28-125%
4165-60-0	Nitrobenzene-d5	66%		28-113%
321-60-8	2-Fluorobiphenyl	66%		38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-5S		
Lab Sample ID:	JA45914-13	Date Sampled:	05/05/10
Matrix:	SO - Soil	Date Received:	05/05/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	77.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	71%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-S3	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-14	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A94851.D	10	05/14/10	KPP	n/a	n/a	V2A4046
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	228	100	29	ug/l	
71-43-2	Benzene	762	10	2.3	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.2	ug/l	
75-25-2	Bromoform	ND	40	2.3	ug/l	
74-83-9	Bromomethane	ND	20	3.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	16	ug/l	
75-15-0	Carbon disulfide	ND	20	7.4	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.6	ug/l	
108-90-7	Chlorobenzene	ND	10	3.9	ug/l	
75-00-3	Chloroethane	ND	10	3.7	ug/l	
67-66-3	Chloroform	ND	10	2.3	ug/l	
74-87-3	Chloromethane	ND	10	2.9	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.9	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.3	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	2.5	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	10	2.2	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.7	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	568	10	2.7	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	8.6	ug/l	
75-09-2	Methylene chloride	ND	20	3.0	ug/l	
100-42-5	Styrene	ND	50	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.4	ug/l	
127-18-4	Tetrachloroethene	ND	10	2.7	ug/l	
108-88-3	Toluene	1030	10	3.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.6	ug/l	

ND = Not detected MDL - Method Detection Limit

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Report of Analysis

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Client Sample ID:	PO-27-S3	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-14	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	10	2.3	ug/l	
79-01-6	Trichloroethene	ND	10	2.4	ug/l	
75-01-4	Vinyl chloride	ND	10	4.4	ug/l	
1330-20-7	Xylene (total)	3420	10	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		76-120%
17060-07-0	1,2-Dichloroethane-D4	91%		64-135%
2037-26-5	Toluene-D8	99%		76-117%
460-00-4	4-Bromofluorobenzene	96%		72-122%

ND = Not detected MDL - Method Detection Limit
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 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-S3	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-14	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19473.D	1	05/18/10	LP	05/11/10	OP43524	E3M833
Run #2	3E26658.D	1	05/18/10	OYA	05/11/10	OP43524	E3E1183
Run #3	3E26659.D	1	05/18/10	OYA	05/11/10	OP43524	E3E1183

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	10.0 ml
Run #3	1000 ml	100 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	274 ^a	50	17	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	64.6	2.0	1.1	ug/l	
	3&4-Methylphenol	32.1	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	2.2	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	50.3	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	2.6	1.0	0.27	ug/l	
120-12-7	Anthracene	ND	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	38.8	1.0	0.17	ug/l	
218-01-9	Chrysene	ND	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

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B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-S3	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-14	Date Received:	05/05/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	32.3	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	1.5	2.0	0.33	ug/l	J
206-44-0	Fluoranthene	1.6	1.0	0.17	ug/l	
86-73-7	Fluorene	18.3	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	110 ^a	10	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	3510 ^b	100	43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	22.1	1.0	0.21	ug/l	
129-00-0	Pyrene	0.95	1.0	0.16	ug/l	J
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	29%	24%	0% ^c	13-68%
4165-62-2	Phenol-d5	21%	0% ^c	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	74%	75%	0% ^c	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-S3			Date Sampled:	05/05/10
Lab Sample ID:	JA45914-14			Date Received:	05/05/10
Matrix:	AQ - Ground Water			Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C				
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY				

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	80%	0% ^c	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	79%	71%	0% ^c	31-106%
1718-51-0	Terphenyl-d14	73%	74%	0% ^c	14-122%

- (a) Result is from Run# 2
 (b) Result is from Run# 3
 (c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-S3	
Lab Sample ID:	JA45914-14	Date Sampled: 05/05/10
Matrix:	AQ - Ground Water	Date Received: 05/05/10
Method:	SW846 8015B	Percent Solids: n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV81526.D	1	05/08/10	CY	n/a	n/a	GUV3225
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	16.7	0.20	0.032	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	92%		68-114%		

ND = Not detected MDL - Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-S3		
Lab Sample ID:	JA45914-14	Date Sampled:	05/05/10
Matrix:	AQ - Ground Water	Date Received:	05/05/10
Method:	SW846-8015 SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Z23352.D	1	05/09/10	OPM	05/06/10	OP43460	G3Z701
Run #2 ^a	3Z23538.D	1	05/14/10	DNM	05/11/10	OP43519	G3Z705

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	11.7	0.10	0.039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	145% ^b	127%	34-139%
16416-32-3	Tetracosane-d50	4% ^c	17% ^c	34-141%
438-22-2	5a-Androstane	9% ^c	9% ^c	26-140%

(a) Confirmation run for surrogate recoveries.

(b) Outside control limits due to matrix interference.

(c) Outside control limits due to matrix interference. Confirmed by re-extraction.

ND = Not detected MDL - Method Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-6S	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-15	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	66.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	E164668.D	1	05/19/10	OTR	n/a	n/a	VE7261
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.4 g	10.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	5300	1200	ug/kg	J
71-43-2	Benzene	455	530	180	ug/kg	
75-27-4	Bromodichloromethane	ND	2600	140	ug/kg	
75-25-2	Bromoform	ND	2600	80	ug/kg	
74-83-9	Bromomethane	ND	2600	210	ug/kg	
78-93-3	2-Butanone (MEK)	ND	5300	1000	ug/kg	
75-15-0	Carbon disulfide	ND	2600	160	ug/kg	
56-23-5	Carbon tetrachloride	ND	2600	290	ug/kg	
108-90-7	Chlorobenzene	ND	2600	180	ug/kg	
75-00-3	Chloroethane	ND	2600	530	ug/kg	
67-66-3	Chloroform	ND	2600	170	ug/kg	
74-87-3	Chloromethane	ND	2600	87	ug/kg	
124-48-1	Dibromochloromethane	ND	2600	58	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2600	73	ug/kg	
107-06-2	1,2-Dichloroethane	ND	530	180	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2600	350	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2600	130	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2600	240	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	2600	130	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2600	69	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2600	70	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2600	51	ug/kg	
100-41-4	Ethylbenzene	860	530	200	ug/kg	
591-78-6	2-Hexanone	ND	2600	510	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	530	150	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2600	430	ug/kg	
75-09-2	Methylene chloride	ND	2600	120	ug/kg	
100-42-5	Styrene	ND	2600	56	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2600	150	ug/kg	
127-18-4	Tetrachloroethene	215	2600	76	ug/kg	J
108-88-3	Toluene	173	530	150	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	2600	67	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-6S	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-15	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	66.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2600	98	ug/kg	
79-01-6	Trichloroethene	ND	2600	280	ug/kg	
75-01-4	Vinyl chloride	ND	2600	94	ug/kg	
1330-20-7	Xylene (total)	1130	1100	250	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		67-127%
17060-07-0	1,2-Dichloroethane-D4	104%		65-132%
2037-26-5	Toluene-D8	98%		74-129%
460-00-4	4-Bromofluorobenzene	110%		62-138%

(a) Dilution required due to matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-6S		
Lab Sample ID:	JA45914-15	Date Sampled:	05/05/10
Matrix:	SO - Soil	Date Received:	05/05/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	66.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M29149.D	1	05/19/10	OYA	05/10/10	OP43504	E2M1237
Run #2	2M29154.D	10	05/19/10	OYA	05/10/10	OP43504	E2M1237

	Initial Weight	Final Volume
Run #1	35.4 g	1.0 ml
Run #2	35.4 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	210	43	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	43	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	68	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	71	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	850	52	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	850	52	ug/kg	
95-48-7	2-Methylphenol	ND	85	48	ug/kg	
	3&4-Methylphenol	ND	85	54	ug/kg	
88-75-5	2-Nitrophenol	ND	210	45	ug/kg	
100-02-7	4-Nitrophenol	ND	430	72	ug/kg	
87-86-5	Pentachlorophenol	ND	430	73	ug/kg	
108-95-2	Phenol	ND	85	45	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	49	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	40	ug/kg	
83-32-9	Acenaphthene	8970 ^a	430	120	ug/kg	
208-96-8	Acenaphthylene	338	43	14	ug/kg	
120-12-7	Anthracene	4290 ^a	430	150	ug/kg	
56-55-3	Benzo(a)anthracene	1690	43	14	ug/kg	
50-32-8	Benzo(a)pyrene	916	43	13	ug/kg	
205-99-2	Benzo(b)fluoranthene	650	43	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	367	43	16	ug/kg	
207-08-9	Benzo(k)fluoranthene	565	43	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	85	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	85	25	ug/kg	
91-58-7	2-Chloronaphthalene	ND	85	13	ug/kg	
106-47-8	4-Chloroaniline	ND	210	14	ug/kg	
86-74-8	Carbazole	896	85	20	ug/kg	
218-01-9	Chrysene	1350	43	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	85	17	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	85	13	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	85	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	85	13	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-6S	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-15	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	66.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	85	12	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	85	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	85	9.5	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	85	19	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	85	16	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	210	11	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	199	43	15	ug/kg	
132-64-9	Dibenzofuran	7050 ^a	850	130	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	85	9.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	85	21	ug/kg	
84-66-2	Diethyl phthalate	ND	85	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	85	15	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	85	38	ug/kg	
206-44-0	Fluoranthene	6890 ^a	430	190	ug/kg	
86-73-7	Fluorene	9450 ^a	430	140	ug/kg	
118-74-1	Hexachlorobenzene	ND	85	14	ug/kg	
87-68-3	Hexachlorobutadiene	ND	43	12	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	850	43	ug/kg	
67-72-1	Hexachloroethane	ND	210	12	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	355	43	15	ug/kg	
78-59-1	Isophorone	ND	85	11	ug/kg	
91-57-6	2-Methylnaphthalene	5000 ^a	850	240	ug/kg	
88-74-4	2-Nitroaniline	ND	210	19	ug/kg	
99-09-2	3-Nitroaniline	ND	210	17	ug/kg	
100-01-6	4-Nitroaniline	ND	210	17	ug/kg	
91-20-3	Naphthalene	2220	43	12	ug/kg	
98-95-3	Nitrobenzene	ND	85	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	85	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	25	ug/kg	
85-01-8	Phenanthrene	22100 ^a	430	190	ug/kg	
129-00-0	Pyrene	5770 ^a	430	160	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	85	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	77%	40%	30-109%
4165-62-2	Phenol-d5	64%	0% ^b	28-108%
118-79-6	2,4,6-Tribromophenol	111%	72%	28-125%
4165-60-0	Nitrobenzene-d5	78%	0% ^b	28-113%
321-60-8	2-Fluorobiphenyl	79%	72%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-6S		
Lab Sample ID:	JA45914-15	Date Sampled:	05/05/10
Matrix:	SO - Soil	Date Received:	05/05/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	66.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	83%	77%	31-116%

- (a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-6S	
Lab Sample ID:	JA45914-15R	Date Sampled: 05/05/10
Matrix:	SO - Soil	Date Received: 05/05/10
Method:	SW846 8015B	Percent Solids: 66.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PF82306.D	1	05/13/10	CY	n/a	n/a	GPF2041
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	696	20	5.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	98%		66-119%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-6S		
Lab Sample ID:	JA45914-15R	Date Sampled:	05/05/10
Matrix:	SO - Soil	Date Received:	05/05/10
Method:	SW846-8015 SW846 3545	Percent Solids:	66.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y22782.D	10	05/18/10	DNM	05/12/10	OP43543	G3Y686
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	4290	88	44	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	105%		17-148%
16416-32-3	Tetracosane-d50	37%		29-151%
438-22-2	5a-Androstane	216% ^a		19-161%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-7S	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-16	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	81.5
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	E164623.D	1	05/18/10	OTR	n/a	n/a	VE7259
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	11.2 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	660	150	ug/kg	
71-43-2	Benzene	ND	66	23	ug/kg	
75-27-4	Bromodichloromethane	ND	330	17	ug/kg	
75-25-2	Bromoform	ND	330	10	ug/kg	
74-83-9	Bromomethane	ND	330	27	ug/kg	
78-93-3	2-Butanone (MEK)	ND	660	130	ug/kg	
75-15-0	Carbon disulfide	ND	330	20	ug/kg	
56-23-5	Carbon tetrachloride	ND	330	37	ug/kg	
108-90-7	Chlorobenzene	ND	330	22	ug/kg	
75-00-3	Chloroethane	ND	330	66	ug/kg	
67-66-3	Chloroform	ND	330	21	ug/kg	
74-87-3	Chloromethane	ND	330	11	ug/kg	
124-48-1	Dibromochloromethane	ND	330	7.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	330	9.1	ug/kg	
107-06-2	1,2-Dichloroethane	ND	66	23	ug/kg	
75-35-4	1,1-Dichloroethene	ND	330	44	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	330	16	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	330	30	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	330	16	ug/kg	
78-87-5	1,2-Dichloropropane	ND	330	8.6	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	330	8.8	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	330	6.3	ug/kg	
100-41-4	Ethylbenzene	ND	66	25	ug/kg	
591-78-6	2-Hexanone	ND	330	64	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	66	19	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	330	54	ug/kg	
75-09-2	Methylene chloride	ND	330	15	ug/kg	
100-42-5	Styrene	ND	330	7.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	330	19	ug/kg	
127-18-4	Tetrachloroethene	ND	330	9.6	ug/kg	
108-88-3	Toluene	ND	66	19	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	330	8.5	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-7S	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-16	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	81.5
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	330	12	ug/kg	
79-01-6	Trichloroethene	ND	330	35	ug/kg	
75-01-4	Vinyl chloride	ND	330	12	ug/kg	
1330-20-7	Xylene (total)	ND	130	31	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	102%		65-132%
2037-26-5	Toluene-D8	97%		74-129%
460-00-4	4-Bromofluorobenzene	102%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-27-7S		
Lab Sample ID:	JA45914-16	Date Sampled:	05/05/10
Matrix:	SO - Soil	Date Received:	05/05/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	81.5
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M29147.D	1	05/19/10	OYA	05/10/10	OP43504	E2M1237
Run #2	2M29153.D	2	05/19/10	OYA	05/10/10	OP43504	E2M1237

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	35	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	56	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	700	43	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	700	43	ug/kg	
95-48-7	2-Methylphenol	ND	70	40	ug/kg	
	3&4-Methylphenol	ND	70	45	ug/kg	
88-75-5	2-Nitrophenol	ND	180	37	ug/kg	
100-02-7	4-Nitrophenol	ND	350	59	ug/kg	
87-86-5	Pentachlorophenol	ND	350	60	ug/kg	
108-95-2	Phenol	ND	70	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	33	ug/kg	
83-32-9	Acenaphthene	435	35	10	ug/kg	
208-96-8	Acenaphthylene	61.4	35	11	ug/kg	
120-12-7	Anthracene	129	35	12	ug/kg	
56-55-3	Benzo(a)anthracene	ND	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	35	13	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	70	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	70	20	ug/kg	
91-58-7	2-Chloronaphthalene	ND	70	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	11	ug/kg	
86-74-8	Carbazole	661	70	16	ug/kg	
218-01-9	Chrysene	ND	35	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	70	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	70	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	70	10	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	70	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-7S	Date Sampled:	05/05/10
Lab Sample ID:	JA45914-16	Date Received:	05/05/10
Matrix:	SO - Soil	Percent Solids:	81.5
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	70	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	70	9.4	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	70	7.8	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	13	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	8.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	35	12	ug/kg	
132-64-9	Dibenzofuran	440	70	10	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	70	7.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	70	17	ug/kg	
84-66-2	Diethyl phthalate	ND	70	12	ug/kg	
131-11-3	Dimethyl phthalate	367	70	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	46.1	70	31	ug/kg	J
206-44-0	Fluoranthene	115	35	15	ug/kg	
86-73-7	Fluorene	351	35	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	70	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.7	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	700	36	ug/kg	
67-72-1	Hexachloroethane	ND	180	9.7	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	35	12	ug/kg	
78-59-1	Isophorone	ND	70	9.4	ug/kg	
91-57-6	2-Methylnaphthalene	575	70	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	15	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	3930 ^a	70	19	ug/kg	
98-95-3	Nitrobenzene	ND	70	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	70	8.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	21	ug/kg	
85-01-8	Phenanthrene	754	35	16	ug/kg	
129-00-0	Pyrene	70.5	35	13	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	70	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	73%	63%	30-109%
4165-62-2	Phenol-d5	58%	54%	28-108%
118-79-6	2,4,6-Tribromophenol	106%	102%	28-125%
4165-60-0	Nitrobenzene-d5	67%	66%	28-113%
321-60-8	2-Fluorobiphenyl	71%	68%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-27-7S		
Lab Sample ID:	JA45914-16	Date Sampled:	05/05/10
Matrix:	SO - Soil	Date Received:	05/05/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	81.5
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	102%	97%	31-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PO-27-7S	
Lab Sample ID:	JA45914-16R	Date Sampled: 05/05/10
Matrix:	SO - Soil	Date Received: 05/05/10
Method:	SW846 8015B	Percent Solids: 81.5
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PF82282.D	1	05/12/10	CY	n/a	n/a	GPF2041
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	14	3.6	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	93%		66-119%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PO-27-7S		
Lab Sample ID:	JA45914-16R	Date Sampled:	05/05/10
Matrix:	SO - Soil	Date Received:	05/05/10
Method:	SW846-8015 SW846 3545	Percent Solids:	81.5
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y22738.D	1	05/15/10	DNM	05/12/10	OP43543	G3Y685
Run #2							

	Initial Weight	Final Volume
Run #1	17.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	244	7.1	3.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	117%		17-148%
16416-32-3	Tetracosane-d50	113%		29-151%
438-22-2	5a-Androstane	102%		19-161%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

JA45914

Lab Name: ACCUTEST Page 1 of 1

Received by (Print Name): M. SALVATORE Log-in Date: 5/5/10
 Received by (Signature): [Signature]

Case Number: SDG Number: SAS Number:	N/A N/A	CORRESPONDING			REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
		NYSDEC SAMPLE #	SAMPLE TAG #	ASSIGNED LAB #	
REMARKS:		N/A		JA45914 -	1 OK
1. Custody Seal(s)	Present/Absent* Intact/Broken N/A	N/A		-	2
2. Custody Seal Numbers:	N/A	N/A		-	3
3. Chain-of-Custody Records	Present/Absent* N/A	N/A		-	4
4. Contract Lab Sample Inform. Sheet (CLSIS)	Present/Absent* N/A	N/A		-	5
5. Airbill	Airbill/Sticker N/A Present/Absent* N/A	N/A		-	6
6. Airbill No.:	N/A	N/A		-	7
7. Sample Tags	Present/Absent* Listed/Not Listed on Chain-of-Custody N/A	N/A		-	8
8. Sample Condition	Intact/Broken* Leaking COC + LABELS DON'T AGREE	N/A		-	9 OK
9. Does Information on custody rec., CLSIS, & sample tags agree	Yes/No* N/A	N/A		-	10
10. Date received at Lab:	5/5/10	N/A		-	11
11. Time Received:	1:00	N/A		-	12 78
2. Do aqueous VOC vials have headspace?	Yes/No* N/A	N/A		-	13
3. Are preserved voc oil samples fully immersed in preservative?	Yes/No* N/A	N/A		-	14
Sample Transfer		N/A		-	15
Reaction:	See Internal			-	16
Area #:				-	
by:				-	
on:	Chain of Custody			-	

JA45914: Chain of Custody

Page 1 of 5

Contract BTR and attach record of resolution

Reviewed By: _____
 Date: _____

Logbook No.: N/A
 Logbook Page No.: N/A

Form: SM10-02
 Rev. Date: 8/21/03

Job Change Order: JA45914_5/11/2010

Requested Date:	5/11/2010	Received Date:	5/5/2010
Account Name:	Fleming-Lee Shue, Inc.	Due Date:	5/19/2010
Project Description:	Queens West, Parcel 8, 47th Road, Long Island City,	Deliverable:	NYASPB
CSR:	TM	TAT (Days):	14

Sample #: JA45914-2 **Change:** do not report GRO or DRO

PO-19-S1

Sample #: JA45914-4 **Change:** do not report GRO or DRO

PO-19-S3

Sample #: JA45914-7 **Change:** do not report GRO or DRO

PO-19-S5

Sample #: JA45914-8 **Change:** relog for GRO & DRO

PO-27-1S

Sample #: JA45914-9 **Change:** relog for GRO & DRO

PO-27-2S

Sample #: JA45914-15 **Change:** relog for GRO & DRO

PO-27-6S

Above Changes

Steve Panter

Date: 5/11/2010

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative

Page 1 of 2

Page 2 of 5

Job Change Order: JA45914_5/11/2010

Requested Date:	5/11/2010	Received Date:	5/5/2010
Account Name:	Fleming-Lee Shue, Inc.	Due Date:	5/19/2010
Project Description:	Queens West, Parcel 8, 47th Road, Long Island City,	Deliverable:	NYASPB
CSR:	TM	TAT (Days):	14
Sample #:	Change: relog for GRO & DRO		
JA45914-16			

PO-27-7S

Above Changes

Steve Panter

Date: 5/11/2010

JA45914: Chain of Custody
Page 3 of 5

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 2 of 2



PAGE OF

100% Tracking 79463306	Bottle Order Control #
Accutest Quote #	Accutest Job # JA45914

Client / Reporting Information			Project Information			Requested Analysis (see TEST CODE sheet)															Matrix Codes																											
Company Name Fluorocube Shive			Project Name Parcel 8 Pilot Test			8260 TLL 8270 TCL * Δ 60 / GRO *																																										
Street Address 158 W 29th St			Street 47th Rd																																													
City NYC		State NY	Billing Information (If different from Report to)																																													
Project Contact S. Pantner		E-mail	Company Name																																													
Phone # 212-675-3225		Fax #	Project # 10011-17-3																																													
Sampler(s) Name(s)			Client Purchase Order #			Street Address			City			State			Zip																																	
Phone #			Project Manager			Attention:																																										
Accident Sample #			Field ID / Point of Collection			MECH/DI Val #			Collection			Sampled by			Matrix			# of bottles			Number of preserved Bottles																											
									Date			Time									HCl			NaOH			HNO3			H2SO4			H2O2			NONE			DI Water			MECH			MECHORE			
1			PO-19-14						5/3/10			1126			SO			4																								2						
2			PO-19-51									1215			6W			8			5																					3						
~~PO-19-52~~			<del></del>			<del></del>			~~1249~~			<del></del>			<del></del>			<del></del>			<del></del>			<del></del>			<del></del>			<del></del>			<del></del>			<del></del>			~~1~~									
3			PO-19-15									1351			SO			4																								1						
4			PO-19-53									1532			6W			9																								1						
5			PO-19-16									1547			SO			4																								1						
6			PO-19-54			5/4/10			0955			6W			8																											1						
7			PO-19-55									1027			6W			9																								1						
8			PO-27-15									1049			SO			4																								1						
~~PO-27-50~~			<del></del>			<del></del>			~~1045~~			~~6W~~			<del></del>			<del></del>			<del></del>			<del></del>			<del></del>			<del></del>			<del></del>			<del></del>			~~1~~									
9			PO-27-25									1537			SO			4																								1						
10			PO-27-51			5/5/10			0958			6W			9																											1						
Turnaround Time (Business days)			Approved By (Accout PM) : / Date:																																													
☒ Std. 15 Business Days ☐ Std. 10 Business Days (by Contract only) ☐ 10 Day RUSH ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY			☐ Commercial "A" (Level 1) ☐ Commercial "B" (Level 2) ☐ FULLT1 (Level 3+4) ☐ NJ Reduced ☐ Commercial "C"			☐ NYASP Category A ☒ NYASP Category B ☐ State Forms ☐ EDD Format ☐ Other			Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data			Comments / Special Instructions * homogenize in lab ** Do not run, put on hold (soil only)																																				
Sample Custody must be documented below each time samples change possession, including courier delivery.																																																
Relinquished by Sample:			Date Time:			Received By:			Date Time:			Relinquished By:			Date Time:			Received By:																														
1			5/5/10 1550			3			5/5/10 1550			4			5/5/10 1550			5																														
Relinquished by Sampler:			Date Time:			Received By:			Date Time:			Relinquished By:			Date Time:			Received By:																														
3						3						4			19.00/14			1																														
Relinquished by:			Date Time:			Received By:			Date Time:			Custody Seal #			Preserved where applicable			On Ice			Cooler Temp.																											
5						5									Intact			2-6: 1.4° 2.0																														

24

JA45914: Chain of Custody

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PAGE OF

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job #

JA 45914
JA 45916

[illegible]

Page 5 of 5



IT'S ALL IN THE CHEMISTRY

07/02/10

Technical Report for

Fleming-Lee Shue, Inc.

Queens West, Parcel 8, 47th Road, Long Island City, NY

10011-017-2

Accutest Job Number: JA45591

Sampling Dates: 04/27/10 - 04/30/10

Report to:

Fleming-Lee Shue, Inc.

steve@flemingleeshue.com

ATTN: Steve Panter

Total number of pages in report: **204**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP Ops, Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.
Test results relate only to samples analyzed.

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Sample Summary

Fleming-Lee Shue, Inc.

Job No: JA45591

Queens West, Parcel 8, 47th Road, Long Island City, NY
Project No: 10011-017-2

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JA45591-1	04/27/10	10:35 KB	04/30/10	SO	Soil	PO-24-3S
JA45591-2	04/27/10	11:05 KB	04/30/10	SO	Soil	PO-24-4S
JA45591-3	04/27/10	11:15 KB	04/30/10	SO	Soil	PO-24-2S
JA45591-4	04/27/10	11:45 KB	04/30/10	SO	Soil	PO-24-7D
JA45591-5	04/27/10	13:15 KB	04/30/10	SO	Soil	PO-24-3D
JA45591-6	04/27/10	13:54 KB	04/30/10	SO	Soil	PO-24-8S
JA45591-7	04/27/10	14:32 KB	04/30/10	SO	Soil	PO-24-5S
JA45591-8	04/27/10	15:05 KB	04/30/10	SO	Soil	PO-24-5D
JA45591-9	04/27/10	15:35 KB	04/30/10	SO	Soil	PO-24-6D
JA45591-10	04/28/10	11:35 KB	04/30/10	SO	Soil	PO-24-4D
JA45591-11	04/28/10	11:55 KB	04/30/10	AQ	Ground Water	PO-24-S7
JA45591-12	04/28/10	14:50 KB	04/30/10	AQ	Ground Water	PO-24-S6
JA45591-13	04/28/10	15:02 KB	04/30/10	SO	Soil	PO-24-7S

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary

(continued)

Fleming-Lee Shue, Inc.

Job No: JA45591

Queens West, Parcel 8, 47th Road, Long Island City, NY

Project No: 10011-017-2

Sample Number	Collected			Received	Matrix		Client Sample ID
	Date	Time	By		Code	Type	
JA45591-14	04/29/10	09:25	KB	04/30/10	SO	Soil	PO-24-2D
JA45591-15	04/29/10	10:12	KB	04/30/10	AQ	Ground Water	PO-24-S4
JA45591-16	04/29/10	12:17	KB	04/30/10	SO	Soil	PO-24-1D
JA45591-17	04/29/10	14:20	KB	04/30/10	SO	Soil	PO-24-8D
JA45591-18	04/29/10	14:45	KB	04/30/10	SO	Soil	PO-19-1
JA45591-19	04/29/10	15:17	KB	04/30/10	SO	Soil	PO-19-4
JA45591-20	04/29/10	15:40	KB	04/30/10	SO	Soil	PO-19-5
JA45591-21	04/29/10	15:47	KB	04/30/10	AQ	Ground Water	PO-24-S1
JA45591-22	04/29/10	15:59	KB	04/30/10	AQ	Ground Water	PO-24-S2
JA45591-23	04/30/10	08:47	KB	04/30/10	SO	Soil	PO-19-6
JA45591-24	04/30/10	09:37	KB	04/30/10	SO	Soil	PO-19-2
JA45591-25	04/30/10	10:07	KB	04/30/10	SO	Soil	PO-19-8
JA45591-26	04/30/10	10:38	KB	04/30/10	SO	Soil	PO-19-7

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Sample Summary
(continued)

Fleming-Lee Shue, Inc.

Job No: JA45591

Queens West, Parcel 8, 47th Road, Long Island City, NY
Project No: 10011-017-2

Sample Number	Collected			Received	Matrix		Client Sample ID
	Date	Time	By		Code	Type	
JA45591-27	04/30/10	11:03	KB	04/30/10	SO	Soil	PO-19-9
JA45591-28	04/30/10	14:04	KB	04/30/10	SO	Soil	PO-19-12
JA45591-29	04/30/10	14:47	KB	04/30/10	SO	Soil	PO-19-13
JA45591-30	04/29/10	10:47	KB	04/30/10	SO	Soil	PO-24-6S
JA45591-31	04/28/10	12:25	KB	04/30/10	SO	Soil	PO-21-6S
JA45591-32	04/29/10	14:45	KB	04/30/10	SO	Soil	PO-19-3
JA45591-33	04/30/10	12:30	KB	04/30/10	SO	Soil	PO-19-11

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Fleming-Lee Shue, Inc.

Job No JA45591

Site: Queens West, Parcel 8, 47th Road, Long Island City, NY

Report Date 5/28/2010 11:41:06 A

On 04/30/2010, 33 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 6 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA45591 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: V3C2770

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA45591-11MS, JA45591-11MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ

Batch ID: V3C2773

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA45591-21MS, JA45591-21MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Bromodichloromethane are outside control limits. High percent recoveries and no associated positive found in the QC batch.
- JA45591-22: Diluted due to high concentration of non-target compound.

Matrix: AQ

Batch ID: V3C2774

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA45350-4MS, JA45350-4MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO

Batch ID: VD6778

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45591-4MS, JA45591-4MSD were used as the QC samples indicated.

Matrix: SO

Batch ID: VD6781

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA45591-6MS, JA45591-6MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JA45591-9: Diluted due to high concentration of target compound.
- JA45591-8: Diluted due to high concentration of target compound.
- JA45591-10: Diluted due to high concentration of target compound.
- JA45591-6: Diluted due to high concentration of target compound.

Matrix: SO

Batch ID: VD6785

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA45591-7MS, JA45591-7MSD were used as the QC samples indicated.

Friday, May 28, 2010

Page 1 of 12

Volatiles by GCMS By Method SW846 8260B

Matrix: SO

Batch ID: VD6785

- All method blanks for this batch meet method specific criteria.
- JA45591-17: Diluted due to high concentration of non-target compound.
- JA45591-13: Diluted due to high concentration of non-target compound.
- JA45591-14: Diluted due to high concentration of non-target compound.
- JA45591-7: Diluted due to high concentration of non-target compound.
- JA45591-19: Diluted due to high concentration of non-target compound.

Matrix: SO

Batch ID: VD6787

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45309-10MS, JA45309-10MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Bromodichloromethane are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Bromodichloromethane are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for 1,1,2,2-Tetrachloroethane are outside control limits for sample JA45309-10MSD. Outside control limits due to matrix interference.
- Sample(s) JA45309-10MS, JA45309-10MSD have surrogates outside control limits. Probable cause due to matrix interference.
- JA45309-10MSD for 4-Bromofluorobenzene: Outside control limits due to matrix interference.
- JA45309-10MS for 4-Bromofluorobenzene: Outside control limits due to matrix interference.

Matrix: SO

Batch ID: VD6789

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45591-20MS, JA45591-20MSD were used as the QC samples indicated.
- JA45591-30: Diluted due to high concentration of non-target compound.
- JA45591-29: Diluted due to high concentration of non-target compound.
- JA45591-26: Diluted due to high concentration of non-target compound.
- JA45591-28: Diluted due to high concentration of non-target compound.
- JA45591-23: Diluted due to high concentration of non-target compound.
- JA45591-18: Diluted due to high concentration of non-target compound.
- JA45591-20: Diluted due to high concentration of non-target compound.
- JA45591-24: Diluted due to high concentration of non-target compound.
- JA45591-32: Diluted due to high concentration of non-target compound.
- JA45591-16: Diluted due to high concentration of non-target compound.

Matrix: SO

Batch ID: VD6790

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA45591-33MS, JA45591-33MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Acetone are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Acetone are outside control limits. Outside control limits due to matrix interference.
- JA45591-25: Diluted due to high concentration of non-target compound.
- JA45591-33: Diluted due to high concentration of non-target compound.
- JA45591-27: Diluted due to high concentration of non-target compound.

Volatiles by GCMS By Method SW846 8260B**Matrix:** SO**Batch ID:** VE7244

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45556-1MS, JA45556-1MSD were used as the QC samples indicated.
- JA45591-2: Diluted due to high concentration of non-target compound.
- JA45591-3: Diluted due to high concentration of non-target compound.
- JA45591-5: Diluted due to high concentration of non-target compound.

Matrix: SO**Batch ID:** VG6129

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA45647-1MS, JA45647-2DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 2-Hexanone, Acetone are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for Duplicate for Tetrachloroethene are outside control limits for sample JA45647-2DUP. High RPD due to possible sample nonhomogeneity.

Extractables by GCMS By Method SW846 8270C

Matrix: AQ

Batch ID: OP43390

- All samples were extracted within the recommended method holding time.
- Sample(s) JA45514-1MS, JA45514-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for 4-Nitrophenol are outside control limits. Outside the QC limits.
- Matrix Spike Recovery(s) for Naphthalene are outside control limits. Outside of in house control limits, but within reasonable method recovery limits.
- Matrix Spike Duplicate Recovery(s) for Naphthalene are outside control limits. Outside of in house control limits, but within reasonable method recovery limits.
- JA45591-21: There is no sample left to reextract for confirmation.
- JA45591-11 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-11 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-11 for Phenol-d5: Outside control limits due to dilution.
- JA45591-11 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- OP43390-MS for Phenol-d5: Outside of in house control limits, but within reasonable method recovery limits.
- JA45591-11 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-11 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-12 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-15 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-12 for Phenol-d5: Outside control limits due to dilution.
- JA45591-15 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-12 for 2-Fluorophenol: Outside of in house control limits, but within reasonable method recovery limits.
- JA45591-15 for Nitrobenzene-d5: Outside control limits due to dilution.
- OP43390-MSD for Phenol-d5: Outside of in house control limits, but within reasonable method recovery limits.
- JA45591-21 for Phenol-d5: Outside control limits due to dilution.
- JA45591-11 for Phenol-d5: Outside control limits due to dilution.
- JA45591-15 for Phenol-d5: Outside control limits due to dilution.
- JA45591-15 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-12 for 2-Fluorophenol: Outside of in house control limits, but within reasonable method recovery limits.
- JA45591-21 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-12 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-21 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-21 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-15 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-21 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-12 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-12 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-21 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-12 for 2,4,6-Tribromophenol: Outside control limits due to dilution.

Matrix: AQ

Batch ID: OP43524

- The data for SW846 8270C meets quality control requirements.
- The following samples were extracted outside of holding time for method SW846 8270C: JA45591-11, JA45591-12, JA45591-15 Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-15: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.

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Extractables by GCMS By Method SW846 8270C

Matrix: AQ

Batch ID: OP43524

- JA45591-11: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-12: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-12 for Nitrobenzene-d5: Outside the QC limits.
- JA45591-12 for 2-Fluorophenol: Outside of in house control limits, but within reasonable method recovery limits.

Matrix: SO

Batch ID: OP43440

- All method blanks for this batch meet method specific criteria.
- The following samples were extracted outside of holding time for method SW846 8270C: JA45591-1, JA45591-2, JA45591-3, JA45591-4, JA45591-5, JA45591-6, JA45591-7, JA45591-8, JA45591-9
- JA45591-9 for Nitrobenzene-d5: Outside control limits due to matrix interference.
- JA45591-8 for Nitrobenzene-d5: Outside control limits due to matrix interference.
- JA45591-5 for Nitrobenzene-d5: Outside control limits due to matrix interference.
- JA45591-4 for Phenol-d5: Outside control limits due to dilution.
- JA45591-4 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-2 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-2 for Terphenyl-d14: Outside control limits due to matrix interference.
- OP43440-MSD for 2-Fluorobiphenyl: Outside control limits due to matrix interference.
- JA45591-4 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-2 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-4 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-4 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- OP43440-MSD for Terphenyl-d14: Outside control limits due to matrix interference.
- OP43440-MSD for 2,4,6-Tribromophenol: Outside control limits due to matrix interference.
- OP43440-MSD for Nitrobenzene-d5: Outside control limits due to matrix interference.
- OP43440-MS for Nitrobenzene-d5: Outside control limits due to matrix interference.

Matrix: SO

Batch ID: OP43558

- Sample(s) JA45591-25MS, JA45591-25MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The following samples were extracted outside of holding time for method SW846 8270C: JA45591-1, JA45591-2, JA45591-3, JA45591-4, JA45591-5, JA45591-6, JA45591-7, JA45591-8, JA45591-9 Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- Matrix Spike Recovery(s) for 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, 4-Nitrophenol, bis(2-Chloroisopropyl)ether, N-Nitrosodiphenylamine are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, 4-Nitrophenol, bis(2-Chloroisopropyl)ether, N-Nitrosodiphenylamine, 2-Nitroaniline are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for 2-Methylnaphthalene, Acenaphthene, Dibenzofuran, Fluorene, Naphthalene, Phenanthrene, Anthracene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- RPD(s) for MSD for 2,4-Dinitrotoluene, 2-Nitroaniline, 3-Nitroaniline are outside control limits for sample OP43558-MSD. Outside control limits due to matrix interference.
- JA45591-4: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-13: Elevated detection limit due to low volume of sample extracted.
- JA45591-1: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-9: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-17: Elevated detection limit due to low volume of sample extracted.
- JA45591-10: Elevated detection limit due to low volume of sample extracted.

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Matrix: SO

Batch ID: OP43558

- JA45591-9: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-7: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-18: Elevated detection limit due to low volume of sample extracted.
- JA45591-8: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-24: Elevated detection limit due to low volume of sample extracted.
- JA45591-9: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-20: Elevated detection limit due to low volume of sample extracted.
- JA45591-3: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-8: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-8: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-5: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-5: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-7: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-16: Elevated detection limit due to low volume of sample extracted.
- JA45591-2: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-6: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-2: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-25: Elevated detection limit due to low volume of sample extracted.
- JA45591-19: Elevated detection limit due to low volume of sample extracted.
- JA45591-4: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-3: Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- JA45591-8 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-13 for Phenol-d5: Outside control limits due to dilution.
- JA45591-13 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-13 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-13 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-3 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-3 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-3 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-13 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-8 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-4 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-4 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-5 for Phenol-d5: Outside control limits due to dilution.
- JA45591-4 for Phenol-d5: Outside control limits due to dilution.
- JA45591-4 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-4 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-2 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-5 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-8 for Phenol-d5: Outside control limits due to dilution.
- JA45591-5 for 2-Fluorobiphenyl: Outside control limits due to dilution.

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Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP43558

- JA45591-8 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-8 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-7 for Phenol-d5: Outside control limits due to dilution.
- JA45591-7 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-7 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-7 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-8 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-8 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-8 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-9 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-9 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-9 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-9 for Phenol-d5: Outside control limits due to dilution.
- JA45591-8 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-9 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-9 for Phenol-d5: Outside control limits due to dilution.
- JA45591-4 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-8 for Phenol-d5: Outside control limits due to dilution.
- JA45591-5 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-8 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-9 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-9 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-9 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-9 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-5 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-5 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-9 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-9 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-18 for Nitrobenzene-d5: Outside control limits due to dilution and matrix interference.
- JA45591-8 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-2 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-2 for Phenol-d5: Outside control limits due to dilution.
- JA45591-2 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-2 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-18 for 2-Fluorobiphenyl: Outside control limits due to dilution and matrix interference.
- JA45591-17 for Nitrobenzene-d5: Outside of in house control limits, but within reasonable method recovery limits.
- JA45591-3 for Phenol-d5: Outside control limits due to dilution.
- JA45591-3 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-2 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-3 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-14 for Nitrobenzene-d5: Outside control limits due to dilution.

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Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP43558

- JA45591-25 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-13 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-25 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-13 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-14 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-14 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-25 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-25 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-23 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-14 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-13 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-17 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-17 for Phenol-d5: Outside control limits due to dilution.
- JA45591-17 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-19 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-17 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-10 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-25 for Phenol-d5: Outside control limits due to dilution.
- JA45591-13 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-19 for Phenol-d5: Outside control limits due to dilution.
- JA45591-18 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-18 for Phenol-d5: Outside control limits due to dilution.
- JA45591-18 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-18 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-17 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-10 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-14 for Phenol-d5: Outside control limits due to dilution.
- JA45591-14 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-24 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-24 for Phenol-d5: Outside control limits due to dilution.
- JA45591-24 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-24 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-24 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-10 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-14 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-14 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-14 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-16 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-14 for Nitrobenzene-d5: Outside control limits due to dilution and matrix interference.
- JA45591-25 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-16 for Phenol-d5: Outside control limits due to dilution.

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Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP43558

- JA45591-24 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-10 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-10 for Phenol-d5: Outside control limits due to dilution.
- JA45591-10 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-14 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-16 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-18 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-16 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-16 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-16 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-14 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-24 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-18 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-19 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-18 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-19 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-23 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-19 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-24 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-24 for Phenol-d5: Outside control limits due to dilution.
- JA45591-20 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-24 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-19 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-23 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-18 for Phenol-d5: Outside control limits due to dilution.
- JA45591-18 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-18 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-24 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-18 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-14 for Phenol-d5: Outside control limits due to dilution.
- JA45591-18 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-23 for Phenol-d5: Outside control limits due to dilution.
- JA45591-24 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-20 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-17 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-17 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-17 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-17 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-20 for Phenol-d5: Outside control limits due to dilution.
- JA45591-20 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-17 for Nitrobenzene-d5: Outside control limits due to dilution.

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Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP43558

- JA45591-20 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-17 for Phenol-d5: Outside control limits due to dilution.
- JA45591-17 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-23 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-20 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-13 for Phenol-d5: Outside control limits due to dilution.
- JA45591-13 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-23 for Nitrobenzene-d5: Outside control limits due to dilution.

Matrix: SO

Batch ID: OP43559

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45600-1MS, JA45600-1MSD were used as the QC samples indicated.
- JA45591-32: Elevated detection limit due to low volume of sample extracted.
- JA45591-26: Elevated detection limit due to low volume of sample extracted.
- JA45591-27: Elevated detection limit due to low volume of sample extracted.
- JA45591-28: Elevated detection limit due to low volume of sample extracted.
- JA45591-33: Elevated detection limit due to low volume of sample extracted.
- JA45591-31: Elevated detection limit due to low volume of sample extracted.
- JA45591-30: Elevated detection limit due to low volume of sample extracted.
- JA45591-29 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-30 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-30 for Phenol-d5: Outside control limits due to dilution.
- JA45591-30 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-29 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-29 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-30 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-29 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-30 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-29 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-29 for Phenol-d5: Outside control limits due to dilution.
- JA45591-29 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-30 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-29 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-26 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-26 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-29 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-29 for Phenol-d5: Outside control limits due to dilution.
- JA45591-29 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-26 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-27 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-26 for Phenol-d5: Outside control limits due to dilution.

Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP43559

- JA45591-26 for Terphenyl-d14: Outside control limits due to dilution.
- JA45591-27 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-32 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-32 for Phenol-d5: Outside control limits due to dilution.
- JA45591-29 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-27 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-32 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-32 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA45591-32 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA45591-27 for Phenol-d5: Outside control limits due to dilution.
- JA45591-26 for 2-Fluorophenol: Outside control limits due to dilution.
- JA45591-27 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA45591-27 for 2-Fluorophenol: Outside control limits due to dilution.

Volatiles by GC By Method SW846 8015B

Matrix: AQ

Batch ID: GUV3219

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45597-2MS, JA45597-2MSD were used as the QC samples indicated.

Matrix: AQ

Batch ID: GUV3220

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA45379-7MS, JA45379-7MSD were used as the QC samples indicated.

Matrix: AQ

Batch ID: GUV3221

- The data for SW846 8015B meets quality control requirements.
- JA45591-12: Sample re-analyzed for further dilution.

Matrix: AQ

Batch ID: GUV3223

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA45846-3MS, JA45846-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO

Batch ID: GPF2034

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA45419-1MS, JA45419-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO

Batch ID: GPF2038

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA45437-1MS, JA45437-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846-8015

Matrix: AQ

Batch ID: OP43388

- All samples were extracted within the recommended method holding time.
- Sample(s) JA45591-11MS, JA45591-11MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JA45591-15 for o-Terphenyl: Outside control limits due to matrix interference.

Matrix: SO

Batch ID: OP43402

- All samples were extracted within the recommended method holding time.
- Sample(s) JA45419-22MS, JA45419-22MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JA45591-27 for 5a-Androstane: Outside control limits due to matrix interference and dilution.
- JA45591-24 for o-Terphenyl: Outside control limits due to dilution.
- JA45591-27 for o-Terphenyl: Outside control limits due to matrix interference and dilution.

Wet Chemistry By Method SM18 2540G

Matrix: SO

Batch ID: GN37384

- The data for SM18 2540G meets quality control requirements.

Matrix: SO

Batch ID: GN37387

- The data for SM18 2540G meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover



Sample Results

Report of Analysis

Report of Analysis

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Client Sample ID:	PO-24-3S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-1	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	76.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G129359.D	1	05/04/10	SJM	n/a	n/a	VG6129
Run #2							

	Initial Weight
Run #1	3.5 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	45.0	19	4.2	ug/kg	
71-43-2	Benzene	10.2	1.9	0.64	ug/kg	
75-27-4	Bromodichloromethane	ND	9.4	0.48	ug/kg	
75-25-2	Bromoform	ND	9.4	0.28	ug/kg	
74-83-9	Bromomethane	ND	9.4	0.76	ug/kg	
78-93-3	2-Butanone (MEK)	ND	19	3.7	ug/kg	
75-15-0	Carbon disulfide	ND	9.4	0.57	ug/kg	
56-23-5	Carbon tetrachloride	ND	9.4	1.0	ug/kg	
108-90-7	Chlorobenzene	ND	9.4	0.64	ug/kg	
75-00-3	Chloroethane	ND	9.4	1.9	ug/kg	
67-66-3	Chloroform	ND	9.4	0.60	ug/kg	
74-87-3	Chloromethane	ND	9.4	0.31	ug/kg	
124-48-1	Dibromochloromethane	ND	9.4	0.21	ug/kg	
75-34-3	1,1-Dichloroethane	ND	9.4	0.26	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.9	0.65	ug/kg	
75-35-4	1,1-Dichloroethene	ND	9.4	1.2	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	9.4	0.45	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	9.4	0.84	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	9.4	0.45	ug/kg	
78-87-5	1,2-Dichloropropane	ND	9.4	0.24	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	9.4	0.25	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	9.4	0.18	ug/kg	
100-41-4	Ethylbenzene	ND	1.9	0.70	ug/kg	
591-78-6	2-Hexanone	ND	9.4	1.8	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	7.6	1.9	0.53	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	9.4	1.5	ug/kg	
75-09-2	Methylene chloride	ND	9.4	0.42	ug/kg	
100-42-5	Styrene	ND	9.4	0.20	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	9.4	0.55	ug/kg	
127-18-4	Tetrachloroethene	ND	9.4	0.27	ug/kg	
108-88-3	Toluene	ND	1.9	0.55	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	9.4	0.24	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-3S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-1	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	76.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	9.4	0.35	ug/kg	
79-01-6	Trichloroethene	ND	9.4	0.99	ug/kg	
75-01-4	Vinyl chloride	ND	9.4	0.33	ug/kg	
1330-20-7	Xylene (total)	ND	3.8	0.88	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		67-127%
17060-07-0	1,2-Dichloroethane-D4	96%		65-132%
2037-26-5	Toluene-D8	101%		74-129%
460-00-4	4-Bromofluorobenzene	100%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

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 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-3S		
Lab Sample ID:	JA45591-1	Date Sampled:	04/27/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	76.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z55406.D	5	05/13/10	JSE	05/12/10	OP43558	EZ2058
Run #2	Z55547.D	5	05/19/10	JSE	05/12/10	OP43440	EZ2064

	Initial Weight	Final Volume
Run #1	5.1 g	1.0 ml
Run #2	35.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	6400	1300	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	6400	1300	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	6400	2100	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	6400	2200	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	26000	1600	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	26000	1600	ug/kg	
95-48-7	2-Methylphenol	ND	2600	1500	ug/kg	
	3&4-Methylphenol	ND	2600	1600	ug/kg	
88-75-5	2-Nitrophenol	ND	6400	1400	ug/kg	
100-02-7	4-Nitrophenol	ND	13000	2200	ug/kg	
87-86-5	Pentachlorophenol	ND	13000	2200	ug/kg	
108-95-2	Phenol	ND	2600	1400	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	6400	1500	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	6400	1200	ug/kg	
83-32-9	Acenaphthene	7540	1300	370	ug/kg	
208-96-8	Acenaphthylene	ND	1300	410	ug/kg	
120-12-7	Anthracene	5580	1300	450	ug/kg	
56-55-3	Benzo(a)anthracene	ND	1300	420	ug/kg	
50-32-8	Benzo(a)pyrene	ND	1300	390	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	1300	430	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	1300	480	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	1300	480	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2600	470	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2600	750	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2600	400	ug/kg	
106-47-8	4-Chloroaniline	ND	6400	410	ug/kg	
86-74-8	Carbazole	11800	2600	600	ug/kg	
218-01-9	Chrysene	ND	1300	440	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	2600	520	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2600	390	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2600	380	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2600	390	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-3S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-1	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	76.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2600	370	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2600	350	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2600	290	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2600	560	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2600	490	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	6400	330	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	1300	440	ug/kg	
132-64-9	Dibenzofuran	1960	2600	380	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	2600	290	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2600	630	ug/kg	
84-66-2	Diethyl phthalate	ND	2600	440	ug/kg	
131-11-3	Dimethyl phthalate	ND	2600	450	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2600	1100	ug/kg	
206-44-0	Fluoranthene	3870	1300	570	ug/kg	
86-73-7	Fluorene	8550	1300	420	ug/kg	
118-74-1	Hexachlorobenzene	ND	2600	420	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1300	360	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	26000	1300	ug/kg	
67-72-1	Hexachloroethane	ND	6400	360	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1300	450	ug/kg	
78-59-1	Isophorone	ND	2600	350	ug/kg	
91-57-6	2-Methylnaphthalene	1700	2600	720	ug/kg	J
88-74-4	2-Nitroaniline	ND	6400	570	ug/kg	
99-09-2	3-Nitroaniline	ND	6400	520	ug/kg	
100-01-6	4-Nitroaniline	ND	6400	500	ug/kg	
91-20-3	Naphthalene	10300	1300	350	ug/kg	
98-95-3	Nitrobenzene	ND	2600	370	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2600	310	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	6400	770	ug/kg	
85-01-8	Phenanthrene	1460	1300	590	ug/kg	
129-00-0	Pyrene	2170	1300	490	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2600	340	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%	40%	30-109%
4165-62-2	Phenol-d5	58%	41%	28-108%
118-79-6	2,4,6-Tribromophenol	71%	60%	28-125%
4165-60-0	Nitrobenzene-d5	72%	44%	28-113%
321-60-8	2-Fluorobiphenyl	84%	60%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-3S		
Lab Sample ID:	JA45591-1	Date Sampled:	04/27/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	76.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	75%	64%	31-116%

(a) Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

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3.1

Client Sample ID:	PO-24-3S	
Lab Sample ID:	JA45591-1	Date Sampled: 04/27/10
Matrix:	SO - Soil	Date Received: 04/30/10
Method:	SW846 8015B	Percent Solids: 76.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PF82128.D	1	05/05/10	CY	n/a	n/a	GPF2034
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.2 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	16	1.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	94%		66-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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3.1
3

Client Sample ID:	PO-24-3S						
Lab Sample ID:	JA45591-1			Date Sampled:	04/27/10		
Matrix:	SO - Soil			Date Received:	04/30/10		
Method:	SW846-8015 SW846 3545			Percent Solids:	76.1		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y22455.D	1	05/07/10	OPM	05/04/10	OP43402	G3Y679
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	164	7.7	3.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	92%		17-148%
16416-32-3	Tetracosane-d50	75%		29-151%
438-22-2	5a-Androstane	80%		19-161%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-4S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-2	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	80.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	E164302.D	1	05/07/10	OTR	n/a	n/a	VE7244
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	1.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	74000	17000	ug/kg	
71-43-2	Benzene	ND	7400	2500	ug/kg	
75-27-4	Bromodichloromethane	ND	37000	1900	ug/kg	
75-25-2	Bromoform	ND	37000	1100	ug/kg	
74-83-9	Bromomethane	ND	37000	3000	ug/kg	
78-93-3	2-Butanone (MEK)	ND	74000	15000	ug/kg	
75-15-0	Carbon disulfide	ND	37000	2300	ug/kg	
56-23-5	Carbon tetrachloride	ND	37000	4100	ug/kg	
108-90-7	Chlorobenzene	ND	37000	2500	ug/kg	
75-00-3	Chloroethane	ND	37000	7400	ug/kg	
67-66-3	Chloroform	ND	37000	2400	ug/kg	
74-87-3	Chloromethane	ND	37000	1200	ug/kg	
124-48-1	Dibromochloromethane	ND	37000	810	ug/kg	
75-34-3	1,1-Dichloroethane	ND	37000	1000	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7400	2600	ug/kg	
75-35-4	1,1-Dichloroethene	ND	37000	4900	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	37000	1800	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	37000	3300	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	37000	1800	ug/kg	
78-87-5	1,2-Dichloropropane	ND	37000	960	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	37000	990	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	37000	710	ug/kg	
100-41-4	Ethylbenzene	4130	7400	2700	ug/kg	J
591-78-6	2-Hexanone	ND	37000	7100	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7400	2100	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	37000	6000	ug/kg	
75-09-2	Methylene chloride	ND	37000	1700	ug/kg	
100-42-5	Styrene	ND	37000	790	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	37000	2200	ug/kg	
127-18-4	Tetrachloroethene	ND	37000	1100	ug/kg	
108-88-3	Toluene	3040	7400	2200	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	37000	950	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-4S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-2	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	80.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	37000	1400	ug/kg	
79-01-6	Trichloroethene	ND	37000	3900	ug/kg	
75-01-4	Vinyl chloride	ND	37000	1300	ug/kg	
1330-20-7	Xylene (total)	43900	15000	3500	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		67-127%
17060-07-0	1,2-Dichloroethane-D4	94%		65-132%
2037-26-5	Toluene-D8	99%		74-129%
460-00-4	4-Bromofluorobenzene	90%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-4S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-2	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	80.6
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z55411.D	5	05/13/10	JSE	05/12/10	OP43558	EZ2058
Run #2	Z55507.D	5	05/17/10	LP	05/12/10	OP43440	EZ2062
Run #3 ^a	Z55429.D	250	05/14/10	JSE	05/12/10	OP43558	EZ2059

	Initial Weight	Final Volume
Run #1	5.3 g	1.0 ml
Run #2	35.4 g	5.0 ml
Run #3	5.3 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5900	1200	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	5900	1200	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	5900	1900	ug/kg	
105-67-9	2,4-Dimethylphenol	38800	5900	2000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	23000	1400	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	23000	1400	ug/kg	
95-48-7	2-Methylphenol	15700	2300	1300	ug/kg	
	3&4-Methylphenol	14600	2300	1500	ug/kg	
88-75-5	2-Nitrophenol	ND	5900	1200	ug/kg	
100-02-7	4-Nitrophenol	ND	12000	2000	ug/kg	
87-86-5	Pentachlorophenol	ND	12000	2000	ug/kg	
108-95-2	Phenol	ND	2300	1200	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	5900	1400	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	5900	1100	ug/kg	
83-32-9	Acenaphthene	269000 ^b	59000	17000	ug/kg	
208-96-8	Acenaphthylene	602000 ^b	59000	19000	ug/kg	
120-12-7	Anthracene	1060000 ^b	59000	20000	ug/kg	
56-55-3	Benzo(a)anthracene	825000 ^b	59000	19000	ug/kg	
50-32-8	Benzo(a)pyrene	607000 ^b	59000	18000	ug/kg	
205-99-2	Benzo(b)fluoranthene	512000 ^b	59000	20000	ug/kg	
191-24-2	Benzo(g,h,i)perylene	224000 ^b	59000	22000	ug/kg	
207-08-9	Benzo(k)fluoranthene	345000 ^b	59000	22000	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2300	420	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2300	680	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2300	360	ug/kg	
106-47-8	4-Chloroaniline	ND	5900	370	ug/kg	
86-74-8	Carbazole	379000 ^b	120000	27000	ug/kg	
218-01-9	Chrysene	826000 ^b	59000	20000	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	2300	470	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2300	350	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-4S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-2	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	80.6
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2300	350	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2300	350	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2300	340	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2300	310	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2300	260	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2300	510	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2300	450	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	5900	300	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	91400 ^b	59000	20000	ug/kg	
132-64-9	Dibenzofuran	788000 ^b	120000	17000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2300	260	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2300	570	ug/kg	
84-66-2	Diethyl phthalate	ND	2300	400	ug/kg	
131-11-3	Dimethyl phthalate	ND	2300	410	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2300	1000	ug/kg	
206-44-0	Fluoranthene	1650000 ^b	59000	26000	ug/kg	
86-73-7	Fluorene	1310000 ^b	59000	19000	ug/kg	
118-74-1	Hexachlorobenzene	ND	2300	380	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1200	330	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	23000	1200	ug/kg	
67-72-1	Hexachloroethane	ND	5900	330	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	219000 ^b	59000	20000	ug/kg	
78-59-1	Isophorone	ND	2300	310	ug/kg	
91-57-6	2-Methylnaphthalene	1220000 ^b	120000	33000	ug/kg	
88-74-4	2-Nitroaniline	ND	5900	520	ug/kg	
99-09-2	3-Nitroaniline	ND	5900	470	ug/kg	
100-01-6	4-Nitroaniline	ND	5900	460	ug/kg	
91-20-3	Naphthalene	1240000 ^b	59000	16000	ug/kg	
98-95-3	Nitrobenzene	ND	2300	340	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2300	290	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	5900	700	ug/kg	
85-01-8	Phenanthrene	3300000 ^b	59000	27000	ug/kg	
129-00-0	Pyrene	1610000 ^b	59000	22000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2300	310	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	91%	0% ^c	0% ^c	30-109%
4165-62-2	Phenol-d5	83%	57%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	95%	0% ^c	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PO-24-4S		
Lab Sample ID:	JA45591-2	Date Sampled:	04/27/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	80.6
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	94%	91%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	100%	103%	0% ^c	38-107%
1718-51-0	Terphenyl-d14	110%	190% ^d	0% ^c	31-116%

(a) Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.

(b) Result is from Run# 3

(c) Outside control limits due to dilution.

(d) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-24-2S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-3	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	88.5
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	E164303.D	10	05/07/10	OTR	n/a	n/a	VE7244
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	4.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	160000	35000	ug/kg	
71-43-2	Benzene	177000	16000	5400	ug/kg	
75-27-4	Bromodichloromethane	ND	79000	4000	ug/kg	
75-25-2	Bromoform	ND	79000	2400	ug/kg	
74-83-9	Bromomethane	ND	79000	6400	ug/kg	
78-93-3	2-Butanone (MEK)	ND	160000	31000	ug/kg	
75-15-0	Carbon disulfide	ND	79000	4800	ug/kg	
56-23-5	Carbon tetrachloride	ND	79000	8700	ug/kg	
108-90-7	Chlorobenzene	ND	79000	5300	ug/kg	
75-00-3	Chloroethane	ND	79000	16000	ug/kg	
67-66-3	Chloroform	ND	79000	5000	ug/kg	
74-87-3	Chloromethane	ND	79000	2600	ug/kg	
124-48-1	Dibromochloromethane	ND	79000	1700	ug/kg	
75-34-3	1,1-Dichloroethane	ND	79000	2200	ug/kg	
107-06-2	1,2-Dichloroethane	ND	16000	5400	ug/kg	
75-35-4	1,1-Dichloroethene	ND	79000	10000	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	79000	3800	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	79000	7100	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	79000	3800	ug/kg	
78-87-5	1,2-Dichloropropane	ND	79000	2000	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	79000	2100	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	79000	1500	ug/kg	
100-41-4	Ethylbenzene	29800	16000	5800	ug/kg	
591-78-6	2-Hexanone	ND	79000	15000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	16000	4400	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	79000	13000	ug/kg	
75-09-2	Methylene chloride	ND	79000	3500	ug/kg	
100-42-5	Styrene	ND	79000	1700	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	79000	4600	ug/kg	
127-18-4	Tetrachloroethene	ND	79000	2300	ug/kg	
108-88-3	Toluene	261000	16000	4600	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	79000	2000	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-24-2S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-3	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	88.5
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	79000	2900	ug/kg	
79-01-6	Trichloroethene	ND	79000	8300	ug/kg	
75-01-4	Vinyl chloride	ND	79000	2800	ug/kg	
1330-20-7	Xylene (total)	321000	31000	7400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		67-127%
17060-07-0	1,2-Dichloroethane-D4	91%		65-132%
2037-26-5	Toluene-D8	100%		74-129%
460-00-4	4-Bromofluorobenzene	90%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-2S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-3	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	88.5
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z55412.D	5	05/13/10	JSE	05/12/10	OP43558	EZ2058
Run #2	Z55509.D	5	05/18/10	LP	05/12/10	OP43440	EZ2062
Run #3 ^a	R80433.D	200	05/14/10	JSE	05/12/10	OP43558	ER2983

	Initial Weight	Final Volume
Run #1	5.0 g	1.0 ml
Run #2	35.1 g	1.0 ml
Run #3	5.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5600	1100	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	5600	1100	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	5600	1800	ug/kg	
105-67-9	2,4-Dimethylphenol	101000	5600	1900	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	23000	1400	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	23000	1400	ug/kg	
95-48-7	2-Methylphenol	42100	2300	1300	ug/kg	
	3&4-Methylphenol	60900	2300	1400	ug/kg	
88-75-5	2-Nitrophenol	ND	5600	1200	ug/kg	
100-02-7	4-Nitrophenol	ND	11000	1900	ug/kg	
87-86-5	Pentachlorophenol	ND	11000	1900	ug/kg	
108-95-2	Phenol	7450	2300	1200	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	5600	1300	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	5600	1100	ug/kg	
83-32-9	Acenaphthene	132000 ^b	45000	13000	ug/kg	
208-96-8	Acenaphthylene	444000 ^b	45000	14000	ug/kg	
120-12-7	Anthracene	511000 ^b	45000	16000	ug/kg	
56-55-3	Benzo(a)anthracene	346000 ^b	45000	15000	ug/kg	
50-32-8	Benzo(a)pyrene	382000 ^b	45000	14000	ug/kg	
205-99-2	Benzo(b)fluoranthene	313000 ^b	45000	15000	ug/kg	
191-24-2	Benzo(g,h,i)perylene	259000 ^b	45000	17000	ug/kg	
207-08-9	Benzo(k)fluoranthene	182000 ^b	45000	17000	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2300	410	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2300	650	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2300	350	ug/kg	
106-47-8	4-Chloroaniline	ND	5600	360	ug/kg	
86-74-8	Carbazole	161000 ^b	90000	21000	ug/kg	
218-01-9	Chrysene	366000 ^b	45000	15000	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	2300	460	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2300	340	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-2S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-3	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	88.5
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2300	340	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2300	340	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2300	330	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2300	300	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2300	250	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2300	490	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2300	430	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	5600	290	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	65200	1100	390	ug/kg	
132-64-9	Dibenzofuran	366000 ^b	90000	13000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2300	250	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2300	550	ug/kg	
84-66-2	Diethyl phthalate	ND	2300	390	ug/kg	
131-11-3	Dimethyl phthalate	ND	2300	400	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2300	1000	ug/kg	
206-44-0	Fluoranthene	913000 ^b	45000	20000	ug/kg	
86-73-7	Fluorene	506000 ^b	45000	15000	ug/kg	
118-74-1	Hexachlorobenzene	ND	2300	370	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1100	310	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	23000	1200	ug/kg	
67-72-1	Hexachloroethane	ND	5600	310	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	240000 ^b	45000	16000	ug/kg	
78-59-1	Isophorone	ND	2300	300	ug/kg	
91-57-6	2-Methylnaphthalene	769000 ^b	90000	25000	ug/kg	
88-74-4	2-Nitroaniline	ND	5600	500	ug/kg	
99-09-2	3-Nitroaniline	ND	5600	450	ug/kg	
100-01-6	4-Nitroaniline	ND	5600	440	ug/kg	
91-20-3	Naphthalene	2860000 ^b	45000	12000	ug/kg	
98-95-3	Nitrobenzene	ND	2300	330	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2300	280	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	5600	670	ug/kg	
85-01-8	Phenanthrene	1510000 ^b	45000	21000	ug/kg	
129-00-0	Pyrene	835000 ^b	45000	17000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2300	300	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	81%	67%	0% ^c	30-109%
4165-62-2	Phenol-d5	83%	54%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	81%	51%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PO-24-2S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-3	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	88.5
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	87%	86%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	97%	54%	0% ^c	38-107%
1718-51-0	Terphenyl-d14	98%	75%	0% ^c	31-116%

(a) Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.

(b) Result is from Run# 3

(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-24-7D	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-4	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	76.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D168085.D	1	05/06/10	TDN	n/a	n/a	VD6778
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	10.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	8000	1800	ug/kg	
71-43-2	Benzene	ND	800	270	ug/kg	
75-27-4	Bromodichloromethane	ND	4000	210	ug/kg	
75-25-2	Bromoform	ND	4000	120	ug/kg	
74-83-9	Bromomethane	ND	4000	320	ug/kg	
78-93-3	2-Butanone (MEK)	ND	8000	1600	ug/kg	
75-15-0	Carbon disulfide	ND	4000	250	ug/kg	
56-23-5	Carbon tetrachloride	ND	4000	450	ug/kg	
108-90-7	Chlorobenzene	ND	4000	270	ug/kg	
75-00-3	Chloroethane	ND	4000	800	ug/kg	
67-66-3	Chloroform	ND	4000	260	ug/kg	
74-87-3	Chloromethane	ND	4000	130	ug/kg	
124-48-1	Dibromochloromethane	ND	4000	88	ug/kg	
75-34-3	1,1-Dichloroethane	ND	4000	110	ug/kg	
107-06-2	1,2-Dichloroethane	ND	800	280	ug/kg	
75-35-4	1,1-Dichloroethene	ND	4000	530	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	4000	190	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	4000	360	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	4000	190	ug/kg	
78-87-5	1,2-Dichloropropane	ND	4000	100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	4000	110	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	4000	77	ug/kg	
100-41-4	Ethylbenzene	58400	800	300	ug/kg	
591-78-6	2-Hexanone	ND	4000	770	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	800	230	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4000	650	ug/kg	
75-09-2	Methylene chloride	ND	4000	180	ug/kg	
100-42-5	Styrene	ND	4000	86	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	4000	240	ug/kg	
127-18-4	Tetrachloroethene	ND	4000	120	ug/kg	
108-88-3	Toluene	82400	800	230	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	4000	100	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-24-7D	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-4	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	76.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	4000	150	ug/kg	
79-01-6	Trichloroethene	ND	4000	420	ug/kg	
75-01-4	Vinyl chloride	ND	4000	140	ug/kg	
1330-20-7	Xylene (total)	223000	1600	380	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		67-127%
17060-07-0	1,2-Dichloroethane-D4	114%		65-132%
2037-26-5	Toluene-D8	101%		74-129%
460-00-4	4-Bromofluorobenzene	114%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID: PO-24-7D

Lab Sample ID: JA45591-4

Date Sampled: 04/27/10

Matrix: SO - Soil

Date Received: 04/30/10

Method: SW846 8270C SW846 3550B

Percent Solids: 76.7

Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z55413.D	5	05/13/10	JSE	05/12/10	OP43558	EZ2058
Run #2 ^a	R80423.D	50	05/14/10	JSE	05/12/10	OP43558	ER2983
Run #3	Z55512.D	100	05/18/10	LP	05/12/10	OP43440	EZ2062

	Initial Weight	Final Volume
Run #1	5.1 g	1.0 ml
Run #2	5.1 g	1.0 ml
Run #3	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	6400	1300	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	6400	1300	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	6400	2100	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	6400	2100	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	26000	1600	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	26000	1600	ug/kg	
95-48-7	2-Methylphenol	ND	2600	1500	ug/kg	
	3&4-Methylphenol	ND	2600	1600	ug/kg	
88-75-5	2-Nitrophenol	ND	6400	1400	ug/kg	
100-02-7	4-Nitrophenol	ND	13000	2200	ug/kg	
87-86-5	Pentachlorophenol	ND	13000	2200	ug/kg	
108-95-2	Phenol	ND	2600	1300	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	6400	1500	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	6400	1200	ug/kg	
83-32-9	Acenaphthene	124000	1300	370	ug/kg	
208-96-8	Acenaphthylene	6290	1300	410	ug/kg	
120-12-7	Anthracene	62800	1300	450	ug/kg	
56-55-3	Benzo(a)anthracene	8350	1300	420	ug/kg	
50-32-8	Benzo(a)pyrene	2670	1300	390	ug/kg	
205-99-2	Benzo(b)fluoranthene	2330	1300	430	ug/kg	
191-24-2	Benzo(g,h,i)perylene	895	1300	480	ug/kg	J
207-08-9	Benzo(k)fluoranthene	2560	1300	480	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2600	460	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2600	740	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2600	400	ug/kg	
106-47-8	4-Chloroaniline	ND	6400	410	ug/kg	
86-74-8	Carbazole	8710	2600	590	ug/kg	
218-01-9	Chrysene	7800	1300	430	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	2600	520	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2600	380	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-7D	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-4	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	76.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2600	380	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2600	380	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2600	370	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2600	340	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2600	290	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2600	560	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2600	490	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	6400	320	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	555	1300	440	ug/kg	J
132-64-9	Dibenzofuran	116000	2600	380	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2600	280	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2600	620	ug/kg	
84-66-2	Diethyl phthalate	ND	2600	440	ug/kg	
131-11-3	Dimethyl phthalate	ND	2600	450	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2600	1100	ug/kg	
206-44-0	Fluoranthene	47700	1300	560	ug/kg	
86-73-7	Fluorene	116000	1300	420	ug/kg	
118-74-1	Hexachlorobenzene	ND	2600	420	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1300	360	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	26000	1300	ug/kg	
67-72-1	Hexachloroethane	ND	6400	360	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	967	1300	440	ug/kg	J
78-59-1	Isophorone	ND	2600	340	ug/kg	
91-57-6	2-Methylnaphthalene	243000 ^b	26000	7100	ug/kg	
88-74-4	2-Nitroaniline	ND	6400	560	ug/kg	
99-09-2	3-Nitroaniline	ND	6400	510	ug/kg	
100-01-6	4-Nitroaniline	ND	6400	500	ug/kg	
91-20-3	Naphthalene	1070000 ^b	13000	3500	ug/kg	
98-95-3	Nitrobenzene	ND	2600	370	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2600	310	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	6400	760	ug/kg	
85-01-8	Phenanthrene	142000 ^b	13000	5800	ug/kg	
129-00-0	Pyrene	36600	1300	490	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2600	340	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	66%	0% ^c	0% ^c	30-109%
4165-62-2	Phenol-d5	57%	0% ^c	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	67%	0% ^c	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PO-24-7D	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-4	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	76.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	62%	0% ^c	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	72%	0% ^c	0% ^c	38-107%
1718-51-0	Terphenyl-d14	73%	0% ^c	112%	31-116%

(a) Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-24-3D	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-5	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	74.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	E164304.D	10	05/07/10	OTR	n/a	n/a	VE7244
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	4.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	210000	47000	ug/kg	
71-43-2	Benzene	ND	21000	7100	ug/kg	
75-27-4	Bromodichloromethane	ND	100000	5400	ug/kg	
75-25-2	Bromoform	ND	100000	3200	ug/kg	
74-83-9	Bromomethane	ND	100000	8400	ug/kg	
78-93-3	2-Butanone (MEK)	ND	210000	41000	ug/kg	
75-15-0	Carbon disulfide	ND	100000	6400	ug/kg	
56-23-5	Carbon tetrachloride	ND	100000	12000	ug/kg	
108-90-7	Chlorobenzene	ND	100000	7100	ug/kg	
75-00-3	Chloroethane	ND	100000	21000	ug/kg	
67-66-3	Chloroform	ND	100000	6600	ug/kg	
74-87-3	Chloromethane	ND	100000	3400	ug/kg	
124-48-1	Dibromochloromethane	ND	100000	2300	ug/kg	
75-34-3	1,1-Dichloroethane	ND	100000	2900	ug/kg	
107-06-2	1,2-Dichloroethane	ND	21000	7200	ug/kg	
75-35-4	1,1-Dichloroethene	ND	100000	14000	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	100000	5000	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	100000	9400	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	100000	5000	ug/kg	
78-87-5	1,2-Dichloropropane	ND	100000	2700	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	100000	2800	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	100000	2000	ug/kg	
100-41-4	Ethylbenzene	33600	21000	7700	ug/kg	
591-78-6	2-Hexanone	ND	100000	20000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	21000	5900	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100000	17000	ug/kg	
75-09-2	Methylene chloride	ND	100000	4700	ug/kg	
100-42-5	Styrene	ND	100000	2200	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100000	6100	ug/kg	
127-18-4	Tetrachloroethene	ND	100000	3000	ug/kg	
108-88-3	Toluene	24400	21000	6100	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	100000	2700	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-24-3D	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-5	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	74.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	100000	3900	ug/kg	
79-01-6	Trichloroethene	ND	100000	11000	ug/kg	
75-01-4	Vinyl chloride	ND	100000	3700	ug/kg	
1330-20-7	Xylene (total)	124000	42000	9800	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-127%
17060-07-0	1,2-Dichloroethane-D4	90%		65-132%
2037-26-5	Toluene-D8	98%		74-129%
460-00-4	4-Bromofluorobenzene	90%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-24-3D		
Lab Sample ID:	JA45591-5	Date Sampled:	04/27/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	74.9
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z55414.D	5	05/13/10	JSE	05/12/10	OP43558	EZ2058
Run #2	Z55513.D	5	05/18/10	LP	05/12/10	OP43440	EZ2062
Run #3 ^a	Z55431.D	250	05/14/10	JSE	05/12/10	OP43558	EZ2059

	Initial Weight	Final Volume
Run #1	5.3 g	1.0 ml
Run #2	35.3 g	1.0 ml
Run #3	5.3 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	6300	1300	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	6300	1300	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	6300	2000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	6300	2100	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	25000	1500	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	25000	1500	ug/kg	
95-48-7	2-Methylphenol	ND	2500	1400	ug/kg	
	3&4-Methylphenol	ND	2500	1600	ug/kg	
88-75-5	2-Nitrophenol	ND	6300	1300	ug/kg	
100-02-7	4-Nitrophenol	ND	13000	2100	ug/kg	
87-86-5	Pentachlorophenol	ND	13000	2200	ug/kg	
108-95-2	Phenol	ND	2500	1300	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	6300	1500	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	6300	1200	ug/kg	
83-32-9	Acenaphthene	601000 ^b	63000	18000	ug/kg	
208-96-8	Acenaphthylene	19800	1300	400	ug/kg	
120-12-7	Anthracene	324000 ^b	63000	22000	ug/kg	
56-55-3	Benzo(a)anthracene	32100	1300	410	ug/kg	
50-32-8	Benzo(a)pyrene	11200	1300	380	ug/kg	
205-99-2	Benzo(b)fluoranthene	9610	1300	420	ug/kg	
191-24-2	Benzo(g,h,i)perylene	3480	1300	470	ug/kg	
207-08-9	Benzo(k)fluoranthene	9010	1300	470	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2500	460	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2500	730	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2500	390	ug/kg	
106-47-8	4-Chloroaniline	ND	6300	400	ug/kg	
86-74-8	Carbazole	36800	2500	580	ug/kg	
218-01-9	Chrysene	28600	1300	430	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	2500	510	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2500	380	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-3D	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-5	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	74.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2500	370	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2500	380	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2500	360	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2500	340	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2500	280	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2500	550	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2500	480	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	6300	320	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1600	1300	430	ug/kg	
132-64-9	Dibenzofuran	452000 ^b	130000	19000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2500	280	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2500	610	ug/kg	
84-66-2	Diethyl phthalate	ND	2500	430	ug/kg	
131-11-3	Dimethyl phthalate	ND	2500	440	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2500	1100	ug/kg	
206-44-0	Fluoranthene	207000 ^b	63000	28000	ug/kg	
86-73-7	Fluorene	531000 ^b	63000	21000	ug/kg	
118-74-1	Hexachlorobenzene	ND	2500	410	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1300	350	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	25000	1300	ug/kg	
67-72-1	Hexachloroethane	ND	6300	350	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	3600	1300	440	ug/kg	
78-59-1	Isophorone	ND	2500	340	ug/kg	
91-57-6	2-Methylnaphthalene	1560000 ^b	130000	35000	ug/kg	
88-74-4	2-Nitroaniline	ND	6300	550	ug/kg	
99-09-2	3-Nitroaniline	ND	6300	500	ug/kg	
100-01-6	4-Nitroaniline	ND	6300	490	ug/kg	
91-20-3	Naphthalene	5630000 ^b	63000	17000	ug/kg	
98-95-3	Nitrobenzene	ND	2500	360	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2500	310	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	6300	750	ug/kg	
85-01-8	Phenanthrene	914000 ^b	63000	29000	ug/kg	
129-00-0	Pyrene	125000	1300	480	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2500	340	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	82%	30%	0% ^c	30-109%
4165-62-2	Phenol-d5	82%	75%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	91%	82%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PO-24-3D	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-5	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	74.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	98%	201% ^d	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	105%	73%	0% ^c	38-107%
1718-51-0	Terphenyl-d14	100%	100%	0% ^c	31-116%

(a) Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.

(b) Result is from Run# 3

(c) Outside control limits due to dilution.

(d) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-24-8S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-6	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	77.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168137.D	1	05/08/10	TDN	n/a	n/a	VD6781
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	1.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	80000	18000	ug/kg	
71-43-2	Benzene	ND	8000	2700	ug/kg	
75-27-4	Bromodichloromethane	ND	40000	2000	ug/kg	
75-25-2	Bromoform	ND	40000	1200	ug/kg	
74-83-9	Bromomethane	ND	40000	3200	ug/kg	
78-93-3	2-Butanone (MEK)	ND	80000	16000	ug/kg	
75-15-0	Carbon disulfide	ND	40000	2400	ug/kg	
56-23-5	Carbon tetrachloride	ND	40000	4400	ug/kg	
108-90-7	Chlorobenzene	ND	40000	2700	ug/kg	
75-00-3	Chloroethane	ND	40000	8000	ug/kg	
67-66-3	Chloroform	ND	40000	2500	ug/kg	
74-87-3	Chloromethane	ND	40000	1300	ug/kg	
124-48-1	Dibromochloromethane	ND	40000	870	ug/kg	
75-34-3	1,1-Dichloroethane	ND	40000	1100	ug/kg	
107-06-2	1,2-Dichloroethane	ND	8000	2700	ug/kg	
75-35-4	1,1-Dichloroethene	ND	40000	5300	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	40000	1900	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	40000	3600	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	40000	1900	ug/kg	
78-87-5	1,2-Dichloropropane	ND	40000	1000	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	40000	1100	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	40000	760	ug/kg	
100-41-4	Ethylbenzene	44500	8000	3000	ug/kg	
591-78-6	2-Hexanone	ND	40000	7700	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	8000	2200	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	40000	6500	ug/kg	
75-09-2	Methylene chloride	ND	40000	1800	ug/kg	
100-42-5	Styrene	ND	40000	850	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	40000	2300	ug/kg	
127-18-4	Tetrachloroethene	ND	40000	1200	ug/kg	
108-88-3	Toluene	ND	8000	2300	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	40000	1000	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-24-8S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-6	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	77.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	40000	1500	ug/kg	
79-01-6	Trichloroethene	ND	40000	4200	ug/kg	
75-01-4	Vinyl chloride	ND	40000	1400	ug/kg	
1330-20-7	Xylene (total)	183000	16000	3700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		67-127%
17060-07-0	1,2-Dichloroethane-D4	85%		65-132%
2037-26-5	Toluene-D8	92%		74-129%
460-00-4	4-Bromofluorobenzene	96%		62-138%

(a) Diluted due to high concentration of target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-24-8S		
Lab Sample ID:	JA45591-6	Date Sampled:	04/27/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	77.2
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z55407.D	5	05/13/10	JSE	05/12/10	OP43558	EZ2058
Run #2	Z55515.D	5	05/18/10	LP	05/12/10	OP43440	EZ2062

	Initial Weight	Final Volume
Run #1	5.0 g	1.0 ml
Run #2	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	6500	1300	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	6500	1300	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	6500	2100	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	6500	2200	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	26000	1600	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	26000	1600	ug/kg	
95-48-7	2-Methylphenol	ND	2600	1500	ug/kg	
	3&4-Methylphenol	ND	2600	1600	ug/kg	
88-75-5	2-Nitrophenol	ND	6500	1400	ug/kg	
100-02-7	4-Nitrophenol	ND	13000	2200	ug/kg	
87-86-5	Pentachlorophenol	ND	13000	2200	ug/kg	
108-95-2	Phenol	ND	2600	1400	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	6500	1500	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	6500	1200	ug/kg	
83-32-9	Acenaphthene	6390	1300	380	ug/kg	
208-96-8	Acenaphthylene	1120	1300	410	ug/kg	J
120-12-7	Anthracene	12700	1300	450	ug/kg	
56-55-3	Benzo(a)anthracene	4040	1300	420	ug/kg	
50-32-8	Benzo(a)pyrene	3770	1300	400	ug/kg	
205-99-2	Benzo(b)fluoranthene	2980	1300	430	ug/kg	
191-24-2	Benzo(g,h,i)perylene	2060	1300	480	ug/kg	
207-08-9	Benzo(k)fluoranthene	2230	1300	490	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2600	470	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2600	750	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2600	400	ug/kg	
106-47-8	4-Chloroaniline	ND	6500	410	ug/kg	
86-74-8	Carbazole	3000	2600	600	ug/kg	
218-01-9	Chrysene	4670	1300	440	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	2600	520	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2600	390	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2600	380	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2600	390	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-8S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-6	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	77.2
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2600	370	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2600	350	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2600	290	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2600	570	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2600	490	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	6500	330	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	836	1300	440	ug/kg	J
132-64-9	Dibenzofuran	9550	2600	380	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2600	290	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2600	630	ug/kg	
84-66-2	Diethyl phthalate	ND	2600	440	ug/kg	
131-11-3	Dimethyl phthalate	ND	2600	460	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2600	1100	ug/kg	
206-44-0	Fluoranthene	15600	1300	570	ug/kg	
86-73-7	Fluorene	10400	1300	420	ug/kg	
118-74-1	Hexachlorobenzene	ND	2600	420	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1300	360	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	26000	1300	ug/kg	
67-72-1	Hexachloroethane	ND	6500	360	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1610	1300	450	ug/kg	
78-59-1	Isophorone	ND	2600	350	ug/kg	
91-57-6	2-Methylnaphthalene	5110	2600	720	ug/kg	
88-74-4	2-Nitroaniline	ND	6500	570	ug/kg	
99-09-2	3-Nitroaniline	ND	6500	520	ug/kg	
100-01-6	4-Nitroaniline	ND	6500	510	ug/kg	
91-20-3	Naphthalene	35300	1300	350	ug/kg	
98-95-3	Nitrobenzene	ND	2600	370	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2600	320	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	6500	770	ug/kg	
85-01-8	Phenanthrene	35000	1300	590	ug/kg	
129-00-0	Pyrene	13500	1300	500	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2600	340	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	63%	40%	30-109%
4165-62-2	Phenol-d5	53%	48%	28-108%
118-79-6	2,4,6-Tribromophenol	79%	61%	28-125%
4165-60-0	Nitrobenzene-d5	55%	33%	28-113%
321-60-8	2-Fluorobiphenyl	76%	56%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-8S		
Lab Sample ID:	JA45591-6	Date Sampled:	04/27/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	77.2
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	80%	61%	31-116%

(a) Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-24-5S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-7	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	79.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168221.D	1	05/11/10	HSS	n/a	n/a	VD6785
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	50.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	466	1500	340	ug/kg	J
71-43-2	Benzene	68.9	150	52	ug/kg	J
75-27-4	Bromodichloromethane	ND	760	39	ug/kg	
75-25-2	Bromoform	ND	760	23	ug/kg	
74-83-9	Bromomethane	ND	760	61	ug/kg	
78-93-3	2-Butanone (MEK)	ND	1500	300	ug/kg	
75-15-0	Carbon disulfide	62.9	760	46	ug/kg	J
56-23-5	Carbon tetrachloride	ND	760	84	ug/kg	
108-90-7	Chlorobenzene	ND	760	52	ug/kg	
75-00-3	Chloroethane	ND	760	150	ug/kg	
67-66-3	Chloroform	ND	760	48	ug/kg	
74-87-3	Chloromethane	ND	760	25	ug/kg	
124-48-1	Dibromochloromethane	ND	760	17	ug/kg	
75-34-3	1,1-Dichloroethane	ND	760	21	ug/kg	
107-06-2	1,2-Dichloroethane	ND	150	53	ug/kg	
75-35-4	1,1-Dichloroethene	ND	760	100	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	760	36	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	760	68	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	760	36	ug/kg	
78-87-5	1,2-Dichloropropane	ND	760	20	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	760	20	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	760	15	ug/kg	
100-41-4	Ethylbenzene	591	150	56	ug/kg	
591-78-6	2-Hexanone	ND	760	150	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	150	43	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	760	120	ug/kg	
75-09-2	Methylene chloride	ND	760	34	ug/kg	
100-42-5	Styrene	ND	760	16	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	760	45	ug/kg	
127-18-4	Tetrachloroethene	ND	760	22	ug/kg	
108-88-3	Toluene	ND	150	44	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	760	19	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-24-5S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-7	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	79.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	760	28	ug/kg	
79-01-6	Trichloroethene	ND	760	80	ug/kg	
75-01-4	Vinyl chloride	ND	760	27	ug/kg	
1330-20-7	Xylene (total)	665	300	71	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	85%		67-127%
17060-07-0	1,2-Dichloroethane-D4	81%		65-132%
2037-26-5	Toluene-D8	90%		74-129%
460-00-4	4-Bromofluorobenzene	98%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PO-24-5S
Lab Sample ID: JA45591-7
Matrix: SO - Soil
Method: SW846 8270C SW846 3550B
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 04/27/10
Date Received: 04/30/10
Percent Solids: 79.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z55415.D	5	05/13/10	JSE	05/12/10	OP43558	EZ2058
Run #2	Z55517.D	5	05/18/10	LP	05/12/10	OP43440	EZ2062
Run #3 ^a	Z55432.D	25	05/14/10	JSE	05/12/10	OP43558	EZ2059

	Initial Weight	Final Volume
Run #1	5.0 g	1.0 ml
Run #2	35.2 g	1.0 ml
Run #3	5.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	6300	1300	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	6300	1300	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	6300	2000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	6300	2100	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	25000	1500	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	25000	1500	ug/kg	
95-48-7	2-Methylphenol	ND	2500	1400	ug/kg	
	3&4-Methylphenol	ND	2500	1600	ug/kg	
88-75-5	2-Nitrophenol	ND	6300	1300	ug/kg	
100-02-7	4-Nitrophenol	ND	13000	2100	ug/kg	
87-86-5	Pentachlorophenol	ND	13000	2200	ug/kg	
108-95-2	Phenol	ND	2500	1300	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	6300	1500	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	6300	1200	ug/kg	
83-32-9	Acenaphthene	165000 ^b	6300	1800	ug/kg	
208-96-8	Acenaphthylene	56200	1300	400	ug/kg	
120-12-7	Anthracene	172000 ^b	6300	2200	ug/kg	
56-55-3	Benzo(a)anthracene	145000 ^b	6300	2100	ug/kg	
50-32-8	Benzo(a)pyrene	121000	1300	380	ug/kg	
205-99-2	Benzo(b)fluoranthene	98500	1300	420	ug/kg	
191-24-2	Benzo(g,h,i)perylene	57600	1300	470	ug/kg	
207-08-9	Benzo(k)fluoranthene	69700	1300	470	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2500	460	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2500	730	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2500	390	ug/kg	
106-47-8	4-Chloroaniline	ND	6300	400	ug/kg	
86-74-8	Carbazole	17800	2500	580	ug/kg	
218-01-9	Chrysene	144000 ^b	6300	2100	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	2500	510	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2500	380	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-5S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-7	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	79.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2500	370	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2500	380	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2500	360	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2500	340	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2500	280	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2500	550	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2500	480	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	6300	320	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	22500	1300	430	ug/kg	
132-64-9	Dibenzofuran	147000 ^b	13000	1900	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2500	280	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2500	610	ug/kg	
84-66-2	Diethyl phthalate	ND	2500	430	ug/kg	
131-11-3	Dimethyl phthalate	ND	2500	440	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2500	1100	ug/kg	
206-44-0	Fluoranthene	332000 ^b	6300	2800	ug/kg	
86-73-7	Fluorene	193000 ^b	6300	2100	ug/kg	
118-74-1	Hexachlorobenzene	ND	2500	410	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1300	350	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	25000	1300	ug/kg	
67-72-1	Hexachloroethane	ND	6300	350	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	55100	1300	440	ug/kg	
78-59-1	Isophorone	ND	2500	340	ug/kg	
91-57-6	2-Methylnaphthalene	52800	2500	700	ug/kg	
88-74-4	2-Nitroaniline	ND	6300	550	ug/kg	
99-09-2	3-Nitroaniline	ND	6300	500	ug/kg	
100-01-6	4-Nitroaniline	ND	6300	490	ug/kg	
91-20-3	Naphthalene	301000 ^b	6300	1700	ug/kg	
98-95-3	Nitrobenzene	ND	2500	360	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2500	310	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	6300	750	ug/kg	
85-01-8	Phenanthrene	587000 ^b	6300	2900	ug/kg	
129-00-0	Pyrene	291000 ^b	6300	2400	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2500	340	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	63%	61%	0% ^c	30-109%
4165-62-2	Phenol-d5	65%	62%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	84%	71%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-5S	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-7	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	79.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	70%	77%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	87%	73%	69%	38-107%
1718-51-0	Terphenyl-d14	90%	87%	73%	31-116%

(a) Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.

(b) Result is from Run# 3

(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-24-5D	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-8	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	82.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168139.D	1	05/08/10	TDN	n/a	n/a	VD6781
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	0.50 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	140000	32000	ug/kg	
71-43-2	Benzene	ND	14000	4900	ug/kg	
75-27-4	Bromodichloromethane	ND	72000	3700	ug/kg	
75-25-2	Bromoform	ND	72000	2200	ug/kg	
74-83-9	Bromomethane	ND	72000	5800	ug/kg	
78-93-3	2-Butanone (MEK)	ND	140000	28000	ug/kg	
75-15-0	Carbon disulfide	ND	72000	4400	ug/kg	
56-23-5	Carbon tetrachloride	ND	72000	8000	ug/kg	
108-90-7	Chlorobenzene	ND	72000	4900	ug/kg	
75-00-3	Chloroethane	ND	72000	14000	ug/kg	
67-66-3	Chloroform	ND	72000	4600	ug/kg	
74-87-3	Chloromethane	ND	72000	2400	ug/kg	
124-48-1	Dibromochloromethane	ND	72000	1600	ug/kg	
75-34-3	1,1-Dichloroethane	ND	72000	2000	ug/kg	
107-06-2	1,2-Dichloroethane	ND	14000	4900	ug/kg	
75-35-4	1,1-Dichloroethene	ND	72000	9500	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	72000	3400	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	72000	6400	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	72000	3400	ug/kg	
78-87-5	1,2-Dichloropropane	ND	72000	1900	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	72000	1900	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	72000	1400	ug/kg	
100-41-4	Ethylbenzene	106000	14000	5300	ug/kg	
591-78-6	2-Hexanone	ND	72000	14000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	14000	4000	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	72000	12000	ug/kg	
75-09-2	Methylene chloride	ND	72000	3200	ug/kg	
100-42-5	Styrene	ND	72000	1500	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	72000	4200	ug/kg	
127-18-4	Tetrachloroethene	ND	72000	2100	ug/kg	
108-88-3	Toluene	8790	14000	4200	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	72000	1800	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-24-5D	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-8	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	82.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	72000	2700	ug/kg	
79-01-6	Trichloroethene	ND	72000	7500	ug/kg	
75-01-4	Vinyl chloride	ND	72000	2600	ug/kg	
1330-20-7	Xylene (total)	234000	29000	6700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		67-127%
17060-07-0	1,2-Dichloroethane-D4	85%		65-132%
2037-26-5	Toluene-D8	93%		74-129%
460-00-4	4-Bromofluorobenzene	97%		62-138%

(a) Diluted due to high concentration of target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID: PO-24-5D
Lab Sample ID: JA45591-8
Matrix: SO - Soil
Method: SW846 8270C SW846 3550B
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 04/27/10

Date Received: 04/30/10

Percent Solids: 82.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z55416.D	5	05/13/10	JSE	05/12/10	OP43558	EZ2058
Run #2	Z55519.D	5	05/18/10	LP	05/12/10	OP43440	EZ2062
Run #3 ^a	Z55433.D	250	05/14/10	JSE	05/12/10	OP43558	EZ2059
Run #4 ^a	Z55441.D	500	05/14/10	JSE	05/12/10	OP43558	EZ2059

	Initial Weight	Final Volume
Run #1	5.0 g	1.0 ml
Run #2	35.4 g	1.0 ml
Run #3	5.0 g	1.0 ml
Run #4	5.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	6100	1200	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	6100	1200	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	6100	2000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	6100	2000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	24000	1500	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	24000	1500	ug/kg	
95-48-7	2-Methylphenol	ND	2400	1400	ug/kg	
	3&4-Methylphenol	ND	2400	1500	ug/kg	
88-75-5	2-Nitrophenol	ND	6100	1300	ug/kg	
100-02-7	4-Nitrophenol	ND	12000	2100	ug/kg	
87-86-5	Pentachlorophenol	ND	12000	2100	ug/kg	
108-95-2	Phenol	ND	2400	1300	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	6100	1400	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	6100	1100	ug/kg	
83-32-9	Acenaphthene	267000 ^b	61000	18000	ug/kg	
208-96-8	Acenaphthylene	47500	1200	390	ug/kg	
208-96-8	Acenaphthylene	66100 ^b	61000	19000	ug/kg	
120-12-7	Anthracene	217000 ^b	61000	21000	ug/kg	
56-55-3	Benzo(a)anthracene	73100	1200	400	ug/kg	
50-32-8	Benzo(a)pyrene	62700	1200	370	ug/kg	
205-99-2	Benzo(b)fluoranthene	41300	1200	410	ug/kg	
191-24-2	Benzo(g,h,i)perylene	35000	1200	450	ug/kg	
207-08-9	Benzo(k)fluoranthene	43800	1200	460	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2400	440	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2400	700	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2400	380	ug/kg	
106-47-8	4-Chloroaniline	ND	6100	390	ug/kg	
86-74-8	Carbazole	31000	2400	560	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-5D	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-8	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	82.2
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
218-01-9	Chrysene	67900	1200	410	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	2400	490	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2400	370	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2400	360	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2400	370	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2400	350	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2400	330	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2400	270	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2400	530	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2400	460	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	6100	310	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	10100	1200	410	ug/kg	
132-64-9	Dibenzofuran	241000 ^b	120000	18000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2400	270	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2400	590	ug/kg	
84-66-2	Diethyl phthalate	ND	2400	410	ug/kg	
131-11-3	Dimethyl phthalate	ND	2400	430	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2400	1100	ug/kg	
206-44-0	Fluoranthene	286000 ^b	61000	27000	ug/kg	
86-73-7	Fluorene	298000 ^b	61000	20000	ug/kg	
118-74-1	Hexachlorobenzene	ND	2400	400	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1200	340	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	24000	1200	ug/kg	
67-72-1	Hexachloroethane	ND	6100	340	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	31200	1200	420	ug/kg	
78-59-1	Isophorone	ND	2400	330	ug/kg	
91-57-6	2-Methylnaphthalene	627000 ^b	120000	34000	ug/kg	
88-74-4	2-Nitroaniline	ND	6100	540	ug/kg	
99-09-2	3-Nitroaniline	ND	6100	490	ug/kg	
100-01-6	4-Nitroaniline	ND	6100	470	ug/kg	
91-20-3	Naphthalene	7150000 ^c	120000	33000	ug/kg	
98-95-3	Nitrobenzene	ND	2400	350	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2400	300	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	6100	730	ug/kg	
85-01-8	Phenanthrene	625000 ^b	61000	28000	ug/kg	
129-00-0	Pyrene	226000 ^b	61000	23000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2400	320	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-5D	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-8	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	82.2
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	67%	84%	0% ^d	30-109%
4165-62-2	Phenol-d5	74%	87%	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	79%	88%	0% ^d	28-125%
4165-60-0	Nitrobenzene-d5	102%	267% ^e	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	87%	92%	0% ^d	38-107%
1718-51-0	Terphenyl-d14	81%	108%	0% ^d	31-116%

(a) Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.

(b) Result is from Run# 3

(c) Result is from Run# 4

(d) Outside control limits due to dilution.

(e) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-24-6D	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-9	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	73.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168140.D	1	05/08/10	TDN	n/a	n/a	VD6781
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	1.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	86000	19000	ug/kg	
71-43-2	Benzene	ND	8600	2900	ug/kg	
75-27-4	Bromodichloromethane	ND	43000	2200	ug/kg	
75-25-2	Bromoform	ND	43000	1300	ug/kg	
74-83-9	Bromomethane	ND	43000	3500	ug/kg	
78-93-3	2-Butanone (MEK)	ND	86000	17000	ug/kg	
75-15-0	Carbon disulfide	ND	43000	2600	ug/kg	
56-23-5	Carbon tetrachloride	ND	43000	4800	ug/kg	
108-90-7	Chlorobenzene	ND	43000	2900	ug/kg	
75-00-3	Chloroethane	ND	43000	8600	ug/kg	
67-66-3	Chloroform	ND	43000	2700	ug/kg	
74-87-3	Chloromethane	ND	43000	1400	ug/kg	
124-48-1	Dibromochloromethane	ND	43000	940	ug/kg	
75-34-3	1,1-Dichloroethane	ND	43000	1200	ug/kg	
107-06-2	1,2-Dichloroethane	ND	8600	3000	ug/kg	
75-35-4	1,1-Dichloroethene	ND	43000	5700	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	43000	2000	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	43000	3800	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	43000	2000	ug/kg	
78-87-5	1,2-Dichloropropane	ND	43000	1100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	43000	1100	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	43000	820	ug/kg	
100-41-4	Ethylbenzene	44500	8600	3200	ug/kg	
591-78-6	2-Hexanone	ND	43000	8300	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	8600	2400	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	43000	6900	ug/kg	
75-09-2	Methylene chloride	ND	43000	1900	ug/kg	
100-42-5	Styrene	ND	43000	920	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	43000	2500	ug/kg	
127-18-4	Tetrachloroethene	ND	43000	1200	ug/kg	
108-88-3	Toluene	160000	8600	2500	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	43000	1100	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-24-6D	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-9	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	73.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	43000	1600	ug/kg	
79-01-6	Trichloroethene	ND	43000	4500	ug/kg	
75-01-4	Vinyl chloride	ND	43000	1500	ug/kg	
1330-20-7	Xylene (total)	170000	17000	4000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		67-127%
17060-07-0	1,2-Dichloroethane-D4	85%		65-132%
2037-26-5	Toluene-D8	92%		74-129%
460-00-4	4-Bromofluorobenzene	98%		62-138%

(a) Diluted due to high concentration of target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID: PO-24-6D
Lab Sample ID: JA45591-9
Matrix: SO - Soil
Method: SW846 8270C SW846 3550B
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 04/27/10
Date Received: 04/30/10
Percent Solids: 73.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z55417.D	5	05/13/10	JSE	05/12/10	OP43558	EZ2058
Run #2	Z55521.D	5	05/18/10	LP	05/12/10	OP43440	EZ2062
Run #3 ^a	R80424.D	200	05/14/10	JSE	05/12/10	OP43558	ER2983
Run #4 ^a	R80431.D	4000	05/14/10	JSE	05/12/10	OP43558	ER2983

	Initial Weight	Final Volume
Run #1	5.0 g	1.0 ml
Run #2	35.2 g	1.0 ml
Run #3	5.0 g	1.0 ml
Run #4	5.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	6800	1400	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	6800	1400	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	6800	2200	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	6800	2300	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	27000	1700	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	27000	1700	ug/kg	
95-48-7	2-Methylphenol	ND	2700	1500	ug/kg	
	3&4-Methylphenol	ND	2700	1700	ug/kg	
88-75-5	2-Nitrophenol	ND	6800	1400	ug/kg	
100-02-7	4-Nitrophenol	ND	14000	2300	ug/kg	
87-86-5	Pentachlorophenol	ND	14000	2300	ug/kg	
108-95-2	Phenol	ND	2700	1400	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	6800	1600	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	6800	1300	ug/kg	
83-32-9	Acenaphthene	1180000 ^b	54000	16000	ug/kg	
208-96-8	Acenaphthylene	7830	1400	430	ug/kg	
120-12-7	Anthracene	102000	1400	470	ug/kg	
56-55-3	Benzo(a)anthracene	11100	1400	440	ug/kg	
50-32-8	Benzo(a)pyrene	4220	1400	410	ug/kg	
205-99-2	Benzo(b)fluoranthene	3530	1400	450	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1720	1400	500	ug/kg	
207-08-9	Benzo(k)fluoranthene	3780	1400	510	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2700	490	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2700	790	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2700	420	ug/kg	
106-47-8	4-Chloroaniline	ND	6800	430	ug/kg	
86-74-8	Carbazole	33800	2700	630	ug/kg	
218-01-9	Chrysene	10400	1400	460	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-6D	Date Sampled:	04/27/10
Lab Sample ID:	JA45591-9	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	73.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	2700	550	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2700	410	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2700	400	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2700	410	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2700	390	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2700	360	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2700	300	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2700	590	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2700	520	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	6800	340	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	609	1400	460	ug/kg	J
132-64-9	Dibenzofuran	970000 b	110000	16000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2700	300	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2700	660	ug/kg	
84-66-2	Diethyl phthalate	ND	2700	460	ug/kg	
131-11-3	Dimethyl phthalate	ND	2700	480	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2700	1200	ug/kg	
206-44-0	Fluoranthene	75100	1400	600	ug/kg	
86-73-7	Fluorene	1010000 b	54000	18000	ug/kg	
118-74-1	Hexachlorobenzene	ND	2700	440	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1400	380	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	27000	1400	ug/kg	
67-72-1	Hexachloroethane	ND	6800	380	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1590	1400	470	ug/kg	
78-59-1	Isophorone	ND	2700	360	ug/kg	
91-57-6	2-Methylnaphthalene	2920000 b	110000	30000	ug/kg	
88-74-4	2-Nitroaniline	ND	6800	600	ug/kg	
99-09-2	3-Nitroaniline	ND	6800	540	ug/kg	
100-01-6	4-Nitroaniline	ND	6800	530	ug/kg	
91-20-3	Naphthalene	28600000 c	1100000	300000	ug/kg	
98-95-3	Nitrobenzene	ND	2700	390	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2700	330	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	6800	810	ug/kg	
85-01-8	Phenanthrene	1630000 b	54000	25000	ug/kg	
129-00-0	Pyrene	50900	1400	520	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2700	360	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	71%	31%	0% d	30-109%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-6D		
Lab Sample ID:	JA45591-9	Date Sampled:	04/27/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	73.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	71%	84%	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	81%	75%	0% ^d	28-125%
4165-60-0	Nitrobenzene-d5	104%	225% ^e	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	97%	80%	0% ^d	38-107%
1718-51-0	Terphenyl-d14	85%	97%	0% ^d	31-116%

(a) Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.

(b) Result is from Run# 3

(c) Result is from Run# 4

(d) Outside control limits due to dilution.

(e) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-4D	Date Sampled:	04/28/10
Lab Sample ID:	JA45591-10	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	77.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168141.D	1	05/08/10	TDN	n/a	n/a	VD6781
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	1.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	79000	18000	ug/kg	
71-43-2	Benzene	ND	7900	2700	ug/kg	
75-27-4	Bromodichloromethane	ND	39000	2000	ug/kg	
75-25-2	Bromoform	ND	39000	1200	ug/kg	
74-83-9	Bromomethane	ND	39000	3200	ug/kg	
78-93-3	2-Butanone (MEK)	ND	79000	15000	ug/kg	
75-15-0	Carbon disulfide	ND	39000	2400	ug/kg	
56-23-5	Carbon tetrachloride	ND	39000	4400	ug/kg	
108-90-7	Chlorobenzene	ND	39000	2700	ug/kg	
75-00-3	Chloroethane	ND	39000	7900	ug/kg	
67-66-3	Chloroform	ND	39000	2500	ug/kg	
74-87-3	Chloromethane	ND	39000	1300	ug/kg	
124-48-1	Dibromochloromethane	ND	39000	860	ug/kg	
75-34-3	1,1-Dichloroethane	ND	39000	1100	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7900	2700	ug/kg	
75-35-4	1,1-Dichloroethene	ND	39000	5200	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	39000	1900	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	39000	3500	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	39000	1900	ug/kg	
78-87-5	1,2-Dichloropropane	ND	39000	1000	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	39000	1000	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	39000	750	ug/kg	
100-41-4	Ethylbenzene	47500	7900	2900	ug/kg	
591-78-6	2-Hexanone	ND	39000	7600	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7900	2200	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	39000	6400	ug/kg	
75-09-2	Methylene chloride	ND	39000	1800	ug/kg	
100-42-5	Styrene	ND	39000	840	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	39000	2300	ug/kg	
127-18-4	Tetrachloroethene	ND	39000	1100	ug/kg	
108-88-3	Toluene	203000	7900	2300	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	39000	1000	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID:	PO-24-4D	Date Sampled:	04/28/10
Lab Sample ID:	JA45591-10	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	77.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	39000	1500	ug/kg	
79-01-6	Trichloroethene	ND	39000	4100	ug/kg	
75-01-4	Vinyl chloride	ND	39000	1400	ug/kg	
1330-20-7	Xylene (total)	172000	16000	3700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-127%
17060-07-0	1,2-Dichloroethane-D4	85%		65-132%
2037-26-5	Toluene-D8	94%		74-129%
460-00-4	4-Bromofluorobenzene	97%		62-138%

(a) Diluted due to high concentration of target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-4D		
Lab Sample ID:	JA45591-10	Date Sampled:	04/28/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	77.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z55409.D	5	05/13/10	JSE	05/12/10	OP43558	EZ2058
Run #2	R80421.D	50	05/14/10	JSE	05/12/10	OP43558	ER2983

	Initial Weight	Final Volume
Run #1	5.0 g	1.0 ml
Run #2	5.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	6400	1300	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	6400	1300	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	6400	2100	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	6400	2200	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	26000	1600	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	26000	1600	ug/kg	
95-48-7	2-Methylphenol	ND	2600	1500	ug/kg	
	3&4-Methylphenol	ND	2600	1600	ug/kg	
88-75-5	2-Nitrophenol	ND	6400	1400	ug/kg	
100-02-7	4-Nitrophenol	ND	13000	2200	ug/kg	
87-86-5	Pentachlorophenol	ND	13000	2200	ug/kg	
108-95-2	Phenol	ND	2600	1300	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	6400	1500	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	6400	1200	ug/kg	
83-32-9	Acenaphthene	96900	1300	370	ug/kg	
208-96-8	Acenaphthylene	7250	1300	410	ug/kg	
120-12-7	Anthracene	53400	1300	450	ug/kg	
56-55-3	Benzo(a)anthracene	7450	1300	420	ug/kg	
50-32-8	Benzo(a)pyrene	4060	1300	390	ug/kg	
205-99-2	Benzo(b)fluoranthene	4240	1300	430	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1930	1300	480	ug/kg	
207-08-9	Benzo(k)fluoranthene	2230	1300	480	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2600	470	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2600	740	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2600	400	ug/kg	
106-47-8	4-Chloroaniline	ND	6400	410	ug/kg	
86-74-8	Carbazole	14100	2600	600	ug/kg	
218-01-9	Chrysene	8020	1300	430	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	2600	520	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2600	390	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2600	380	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2600	390	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-4D	Date Sampled:	04/28/10
Lab Sample ID:	JA45591-10	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	77.8
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2600	370	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2600	340	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2600	290	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2600	560	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2600	490	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	6400	330	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	1300	440	ug/kg	
132-64-9	Dibenzofuran	86400	2600	380	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2600	290	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2600	630	ug/kg	
84-66-2	Diethyl phthalate	ND	2600	440	ug/kg	
131-11-3	Dimethyl phthalate	ND	2600	450	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2600	1100	ug/kg	
206-44-0	Fluoranthene	43700	1300	570	ug/kg	
86-73-7	Fluorene	93500	1300	420	ug/kg	
118-74-1	Hexachlorobenzene	ND	2600	420	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1300	360	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	26000	1300	ug/kg	
67-72-1	Hexachloroethane	ND	6400	360	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1690	1300	450	ug/kg	
78-59-1	Isophorone	ND	2600	350	ug/kg	
91-57-6	2-Methylnaphthalene	225000 ^b	26000	7200	ug/kg	
88-74-4	2-Nitroaniline	ND	6400	570	ug/kg	
99-09-2	3-Nitroaniline	ND	6400	510	ug/kg	
100-01-6	4-Nitroaniline	ND	6400	500	ug/kg	
91-20-3	Naphthalene	949000 ^b	13000	3500	ug/kg	
98-95-3	Nitrobenzene	ND	2600	370	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2600	310	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	6400	770	ug/kg	
85-01-8	Phenanthrene	142000 ^b	13000	5800	ug/kg	
129-00-0	Pyrene	31300	1300	490	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2600	340	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%	0% ^c	30-109%
4165-62-2	Phenol-d5	53%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	57%	0% ^c	28-125%
4165-60-0	Nitrobenzene-d5	56%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	72%	0% ^c	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-4D		
Lab Sample ID:	JA45591-10	Date Sampled:	04/28/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	77.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	66%	0% ^c	31-116%

- (a) Elevated detection limit due to low volume of sample extracted.
- (b) Result is from Run# 2
- (c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S7	Date Sampled:	04/28/10
Lab Sample ID:	JA45591-11	Date Received:	04/30/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C62856.D	10	05/07/10	NT	n/a	n/a	V3C2770
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	29	ug/l	
71-43-2	Benzene	644	10	2.3	ug/l	
75-27-4	Bromodichloromethane	ND	10	2.2	ug/l	
75-25-2	Bromoform	ND	40	2.3	ug/l	
74-83-9	Bromomethane	ND	20	3.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	16	ug/l	
75-15-0	Carbon disulfide	ND	20	7.4	ug/l	
56-23-5	Carbon tetrachloride	ND	10	2.6	ug/l	
108-90-7	Chlorobenzene	ND	10	3.9	ug/l	
75-00-3	Chloroethane	ND	10	3.7	ug/l	
67-66-3	Chloroform	ND	10	2.3	ug/l	
74-87-3	Chloromethane	ND	10	2.9	ug/l	
124-48-1	Dibromochloromethane	ND	10	2.2	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	2.9	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	3.3	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	4.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	10	2.2	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	2.5	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	10	2.2	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	2.7	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	2.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	2.1	ug/l	
100-41-4	Ethylbenzene	1190	10	2.7	ug/l	
591-78-6	2-Hexanone	ND	50	14	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	2.3	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	8.6	ug/l	
75-09-2	Methylene chloride	ND	20	3.0	ug/l	
100-42-5	Styrene	ND	50	5.8	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	2.4	ug/l	
127-18-4	Tetrachloroethene	ND	10	2.7	ug/l	
108-88-3	Toluene	507	10	3.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.6	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID:	PO-24-S7	Date Sampled:	04/28/10
Lab Sample ID:	JA45591-11	Date Received:	04/30/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	10	2.3	ug/l	
79-01-6	Trichloroethene	ND	10	2.4	ug/l	
75-01-4	Vinyl chloride	ND	10	4.4	ug/l	
1330-20-7	Xylene (total)	2930	10	2.5	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		76-120%
17060-07-0	1,2-Dichloroethane-D4	117%		64-135%
2037-26-5	Toluene-D8	102%		76-117%
460-00-4	4-Bromofluorobenzene	97%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID:	PO-24-S7		
Lab Sample ID:	JA45591-11	Date Sampled:	04/28/10
Matrix:	AQ - Ground Water	Date Received:	04/30/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E26395.D	1	05/07/10	OYA	05/03/10	OP43390	E3E1176
Run #2	3E26453.D	10	05/11/10	OYA	05/03/10	OP43390	E3E1178
Run #3	3E26410.D	100	05/10/10	OYA	05/03/10	OP43390	E3E1177
Run #4 ^a	3M19298.D	1	05/12/10	KLS	05/11/10	OP43524	E3M826

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml
Run #4	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	45.2	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	4.9	2.0	1.1	ug/l	
	3&4-Methylphenol	4.3	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	98.2 ^b	10	3.7	ug/l	
208-96-8	Acenaphthylene	9.8	1.0	0.27	ug/l	
120-12-7	Anthracene	5.1	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	0.51	1.0	0.12	ug/l	J
50-32-8	Benzo(a)pyrene	ND	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	171 ^b	10	1.7	ug/l	
218-01-9	Chrysene	0.45	1.0	0.11	ug/l	J

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-S7	Date Sampled:	04/28/10
Lab Sample ID:	JA45591-11	Date Received:	04/30/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	90.3	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	1.1	2.0	0.33	ug/l	J
206-44-0	Fluoranthene	3.6	1.0	0.17	ug/l	
86-73-7	Fluorene	56.9	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	365 ^b	10	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	9290 ^c	100	43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	55.5	1.0	0.21	ug/l	
129-00-0	Pyrene	2.6	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	63%	34%	0% ^d	13-68%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S7		
Lab Sample ID:	JA45591-11	Date Sampled:	04/28/10
Matrix:	AQ - Ground Water	Date Received:	04/30/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	17%	8% ^d	0% ^d	10-49%
118-79-6	2,4,6-Tribromophenol	94%	87%	0% ^d	37-130%
4165-60-0	Nitrobenzene-d5	55%	59%	0% ^d	25-112%
321-60-8	2-Fluorobiphenyl	74%	71%	0% ^d	31-106%
1718-51-0	Terphenyl-d14	81%	80%	0% ^d	14-122%

- (a) Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- (b) Result is from Run# 2
- (c) Result is from Run# 3
- (d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-S7						
Lab Sample ID:	JA45591-11			Date Sampled:	04/28/10		
Matrix:	AQ - Ground Water			Date Received:	04/30/10		
Method:	SW846 8015B			Percent Solids:	n/a		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV81359.D	1	05/03/10	CY	n/a	n/a	GUV3219
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	13.5	0.20	0.032	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	89%		68-114%		

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S7						
Lab Sample ID:	JA45591-11				Date Sampled:	04/28/10	
Matrix:	AQ - Ground Water				Date Received:	04/30/10	
Method:	SW846-8015 SW846 3510C				Percent Solids:	n/a	
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y22369.D	1	05/04/10	DNM	05/03/10	OP43388	G3Y676
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	26.3	0.10	0.039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	138%		34-139%
16416-32-3	Tetracosane-d50	99%		34-141%
438-22-2	5a-Androstane	98%		26-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S6	Date Sampled:	04/28/10
Lab Sample ID:	JA45591-12	Date Received:	04/30/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C62926.D	50	05/08/10	NT	n/a	n/a	V3C2773
Run #2	3C62961.D	250	05/10/10	NT	n/a	n/a	V3C2774

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	500	140	ug/l	
71-43-2	Benzene	998	50	12	ug/l	
75-27-4	Bromodichloromethane	ND	50	11	ug/l	
75-25-2	Bromoform	ND	200	12	ug/l	
74-83-9	Bromomethane	ND	100	15	ug/l	
78-93-3	2-Butanone (MEK)	ND	500	81	ug/l	
75-15-0	Carbon disulfide	ND	100	37	ug/l	
56-23-5	Carbon tetrachloride	ND	50	13	ug/l	
108-90-7	Chlorobenzene	ND	50	19	ug/l	
75-00-3	Chloroethane	ND	50	19	ug/l	
67-66-3	Chloroform	ND	50	12	ug/l	
74-87-3	Chloromethane	ND	50	14	ug/l	
124-48-1	Dibromochloromethane	ND	50	11	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	14	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	17	ug/l	
75-35-4	1,1-Dichloroethene	ND	50	20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	50	11	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	12	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	50	11	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	14	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	12	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	11	ug/l	
100-41-4	Ethylbenzene	1350	50	13	ug/l	
591-78-6	2-Hexanone	ND	250	70	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	12	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	250	43	ug/l	
75-09-2	Methylene chloride	ND	100	15	ug/l	
100-42-5	Styrene	ND	250	29	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	12	ug/l	
127-18-4	Tetrachloroethene	ND	50	13	ug/l	
108-88-3	Toluene	28300 ^a	250	75	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	13	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S6	Date Sampled:	04/28/10
Lab Sample ID:	JA45591-12	Date Received:	04/30/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	50	12	ug/l	
79-01-6	Trichloroethene	ND	50	12	ug/l	
75-01-4	Vinyl chloride	ND	50	22	ug/l	
1330-20-7	Xylene (total)	4840	50	13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%	106%	76-120%
17060-07-0	1,2-Dichloroethane-D4	120%	110%	64-135%
2037-26-5	Toluene-D8	105%	106%	76-117%
460-00-4	4-Bromofluorobenzene	94%	95%	72-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: PO-24-S6

Lab Sample ID: JA45591-12

Date Sampled: 04/28/10

Matrix: AQ - Ground Water

Date Received: 04/30/10

Method: SW846 8270C SW846 3510C

Percent Solids: n/a

Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E26396.D	1	05/07/10	OYA	05/03/10	OP43390	E3E1176
Run #2	3E26452.D	10	05/11/10	OYA	05/03/10	OP43390	E3E1178
Run #3	3E26451.D	200	05/11/10	OYA	05/03/10	OP43390	E3E1178
Run #4 ^a	3M19299.D	1	05/12/10	KLS	05/11/10	OP43524	E3M826

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml
Run #4	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	126 ^b	50	17	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	39.4	2.0	1.1	ug/l	
	3&4-Methylphenol	63.6	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	194 ^b	10	3.7	ug/l	
208-96-8	Acenaphthylene	7.1	1.0	0.27	ug/l	
120-12-7	Anthracene	35.2	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	1.8	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	0.64	1.0	0.095	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.72	1.0	0.25	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	238 ^b	10	1.7	ug/l	
218-01-9	Chrysene	1.5	1.0	0.11	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-S6	Date Sampled:	04/28/10
Lab Sample ID:	JA45591-12	Date Received:	04/30/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.15	ug/l	
132-64-9	Dibenzofuran	153 ^b	50	3.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.33	ug/l	
206-44-0	Fluoranthene	12.3	1.0	0.17	ug/l	
86-73-7	Fluorene	112 ^b	10	2.7	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	898 ^b	10	6.6	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	10400 ^c	200	85	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	131 ^b	10	2.1	ug/l	
129-00-0	Pyrene	9.4	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	110% ^e	78% ^e	0% ^d	13-68%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S6		
Lab Sample ID:	JA45591-12	Date Sampled:	04/28/10
Matrix:	AQ - Ground Water	Date Received:	04/30/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	23%	13%	0% ^d	10-49%
118-79-6	2,4,6-Tribromophenol	90%	92%	0% ^d	37-130%
4165-60-0	Nitrobenzene-d5	52%	61%	0% ^d	25-112%
321-60-8	2-Fluorobiphenyl	64%	70%	0% ^d	31-106%
1718-51-0	Terphenyl-d14	76%	79%	0% ^d	14-122%

- (a) Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.
- (b) Result is from Run# 2
- (c) Result is from Run# 3
- (d) Outside control limits due to dilution.
- (e) Outside of in house control limits, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PO-24-S6						
Lab Sample ID:	JA45591-12			Date Sampled:	04/28/10		
Matrix:	AQ - Ground Water			Date Received:	04/30/10		
Method:	SW846 8015B			Percent Solids:	n/a		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY						

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV81492.D	10	05/06/10	CY	n/a	n/a	GUV3223
Run #2 ^a	UV81418.D	1	05/05/10	CY	n/a	n/a	GUV3221

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	74.3	2.0	0.32	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	89%	86%	68-114%

(a) Sample re-analyzed for further dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S6		
Lab Sample ID:	JA45591-12	Date Sampled:	04/28/10
Matrix:	AQ - Ground Water	Date Received:	04/30/10
Method:	SW846-8015 SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y22370.D	1	05/04/10	DNM	05/03/10	OP43388	G3Y676
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	44.3	0.10	0.039	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	101%		34-139%
16416-32-3	Tetracosane-d50	94%		34-141%
438-22-2	5a-Androstane	91%		26-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-7S	Date Sampled:	04/28/10
Lab Sample ID:	JA45591-13	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	83.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168231.D	1	05/11/10	HSS	n/a	n/a	VD6785
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3500	780	ug/kg	
71-43-2	Benzene	ND	350	120	ug/kg	
75-27-4	Bromodichloromethane	ND	1700	89	ug/kg	
75-25-2	Bromoform	ND	1700	53	ug/kg	
74-83-9	Bromomethane	ND	1700	140	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3500	690	ug/kg	
75-15-0	Carbon disulfide	ND	1700	110	ug/kg	
56-23-5	Carbon tetrachloride	ND	1700	190	ug/kg	
108-90-7	Chlorobenzene	ND	1700	120	ug/kg	
75-00-3	Chloroethane	ND	1700	350	ug/kg	
67-66-3	Chloroform	ND	1700	110	ug/kg	
74-87-3	Chloromethane	ND	1700	57	ug/kg	
124-48-1	Dibromochloromethane	ND	1700	38	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1700	48	ug/kg	
107-06-2	1,2-Dichloroethane	ND	350	120	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1700	230	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1700	83	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1700	160	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	1700	83	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1700	45	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1700	46	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1700	33	ug/kg	
100-41-4	Ethylbenzene	934	350	130	ug/kg	
591-78-6	2-Hexanone	ND	1700	340	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	350	98	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	1700	280	ug/kg	
75-09-2	Methylene chloride	ND	1700	78	ug/kg	
100-42-5	Styrene	ND	1700	37	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1700	100	ug/kg	
127-18-4	Tetrachloroethene	ND	1700	50	ug/kg	
108-88-3	Toluene	182	350	100	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	1700	45	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.13

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Client Sample ID:	PO-24-7S	Date Sampled:	04/28/10
Lab Sample ID:	JA45591-13	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	83.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1700	64	ug/kg	
79-01-6	Trichloroethene	ND	1700	180	ug/kg	
75-01-4	Vinyl chloride	ND	1700	62	ug/kg	
1330-20-7	Xylene (total)	2350	700	160	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		67-127%
17060-07-0	1,2-Dichloroethane-D4	82%		65-132%
2037-26-5	Toluene-D8	91%		74-129%
460-00-4	4-Bromofluorobenzene	97%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-7S		
Lab Sample ID:	JA45591-13	Date Sampled:	04/28/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	83.6
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z55434.D	100	05/14/10	JSE	05/12/10	OP43558	EZ2059
Run #2	Z55442.D	200	05/14/10	JSE	05/12/10	OP43558	EZ2059

	Initial Weight	Final Volume
Run #1	5.0 g	1.0 ml
Run #2	5.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	247000	24000	6900	ug/kg	
208-96-8	Acenaphthylene	159000	24000	7700	ug/kg	
120-12-7	Anthracene	358000	24000	8400	ug/kg	
56-55-3	Benzo(a)anthracene	276000	24000	7800	ug/kg	
50-32-8	Benzo(a)pyrene	269000	24000	7300	ug/kg	
205-99-2	Benzo(b)fluoranthene	158000	24000	8000	ug/kg	
191-24-2	Benzo(g,h,i)perylene	139000	24000	8900	ug/kg	
207-08-9	Benzo(k)fluoranthene	197000	24000	9000	ug/kg	
86-74-8	Carbazole	158000	48000	11000	ug/kg	
218-01-9	Chrysene	270000	24000	8100	ug/kg	
132-64-9	Dibenzofuran	318000	48000	7100	ug/kg	
206-44-0	Fluoranthene	793000	24000	11000	ug/kg	
86-73-7	Fluorene	377000	24000	7800	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	119000	24000	8300	ug/kg	
91-57-6	2-Methylnaphthalene	517000	48000	13000	ug/kg	
91-20-3	Naphthalene	3320000 ^b	48000	13000	ug/kg	
85-01-8	Phenanthrene	1310000	24000	11000	ug/kg	
129-00-0	Pyrene	655000	24000	9200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	0% ^c	0% ^c	30-109%
4165-62-2	Phenol-d5	0% ^c	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	0% ^c	0% ^c	28-125%
4165-60-0	Nitrobenzene-d5	0% ^c	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	0% ^c	0% ^c	38-107%
1718-51-0	Terphenyl-d14	68%	0% ^c	31-116%

(a) Elevated detection limit due to low volume of sample extracted.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-2D	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-14	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	79.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168232.D	1	05/11/10	HSS	n/a	n/a	VD6785
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	0.50 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	150000	34000	ug/kg	
71-43-2	Benzene	ND	15000	5200	ug/kg	
75-27-4	Bromodichloromethane	ND	76000	3900	ug/kg	
75-25-2	Bromoform	ND	76000	2300	ug/kg	
74-83-9	Bromomethane	ND	76000	6200	ug/kg	
78-93-3	2-Butanone (MEK)	ND	150000	30000	ug/kg	
75-15-0	Carbon disulfide	ND	76000	4700	ug/kg	
56-23-5	Carbon tetrachloride	ND	76000	8500	ug/kg	
108-90-7	Chlorobenzene	ND	76000	5200	ug/kg	
75-00-3	Chloroethane	ND	76000	15000	ug/kg	
67-66-3	Chloroform	ND	76000	4900	ug/kg	
74-87-3	Chloromethane	ND	76000	2500	ug/kg	
124-48-1	Dibromochloromethane	ND	76000	1700	ug/kg	
75-34-3	1,1-Dichloroethane	ND	76000	2100	ug/kg	
107-06-2	1,2-Dichloroethane	ND	15000	5300	ug/kg	
75-35-4	1,1-Dichloroethene	ND	76000	10000	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	76000	3600	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	76000	6800	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	76000	3600	ug/kg	
78-87-5	1,2-Dichloropropane	ND	76000	2000	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	76000	2000	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	76000	1500	ug/kg	
100-41-4	Ethylbenzene	22800	15000	5700	ug/kg	
591-78-6	2-Hexanone	ND	76000	15000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	15000	4300	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	76000	12000	ug/kg	
75-09-2	Methylene chloride	ND	76000	3400	ug/kg	
100-42-5	Styrene	ND	76000	1600	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	76000	4500	ug/kg	
127-18-4	Tetrachloroethene	ND	76000	2200	ug/kg	
108-88-3	Toluene	ND	15000	4500	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	76000	2000	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.14

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Client Sample ID:	PO-24-2D	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-14	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	79.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	76000	2800	ug/kg	
79-01-6	Trichloroethene	ND	76000	8000	ug/kg	
75-01-4	Vinyl chloride	ND	76000	2700	ug/kg	
1330-20-7	Xylene (total)	103000	31000	7200	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		67-127%
17060-07-0	1,2-Dichloroethane-D4	82%		65-132%
2037-26-5	Toluene-D8	90%		74-129%
460-00-4	4-Bromofluorobenzene	97%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-2D		
Lab Sample ID:	JA45591-14	Date Sampled:	04/29/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	79.2
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z55419.D	5	05/13/10	JSE	05/12/10	OP43558	EZ2058
Run #2	R80425.D	250	05/14/10	JSE	05/12/10	OP43558	ER2983
Run #3	R80432.D	500	05/14/10	JSE	05/12/10	OP43558	ER2983

	Initial Weight	Final Volume
Run #1	5.1 g	1.0 ml
Run #2	5.1 g	1.0 ml
Run #3	5.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	6200	1300	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	6200	1200	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	6200	2000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	6200	2100	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	25000	1500	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	25000	1500	ug/kg	
95-48-7	2-Methylphenol	ND	2500	1400	ug/kg	
	3&4-Methylphenol	ND	2500	1600	ug/kg	
88-75-5	2-Nitrophenol	ND	6200	1300	ug/kg	
100-02-7	4-Nitrophenol	ND	12000	2100	ug/kg	
87-86-5	Pentachlorophenol	ND	12000	2100	ug/kg	
108-95-2	Phenol	ND	2500	1300	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	6200	1400	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	6200	1200	ug/kg	
83-32-9	Acenaphthene	209000 ^a	62000	18000	ug/kg	
208-96-8	Acenaphthylene	6750	1200	400	ug/kg	
120-12-7	Anthracene	92300	1200	430	ug/kg	
56-55-3	Benzo(a)anthracene	9890	1200	400	ug/kg	
50-32-8	Benzo(a)pyrene	4030	1200	380	ug/kg	
205-99-2	Benzo(b)fluoranthene	3190	1200	410	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1980	1200	460	ug/kg	
207-08-9	Benzo(k)fluoranthene	3330	1200	470	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2500	450	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2500	720	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2500	380	ug/kg	
106-47-8	4-Chloroaniline	ND	6200	400	ug/kg	
86-74-8	Carbazole	44800	2500	570	ug/kg	
218-01-9	Chrysene	8610	1200	420	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	2500	500	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2500	370	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-2D	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-14	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	79.2
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2500	370	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2500	370	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2500	360	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2500	330	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2500	280	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2500	540	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2500	470	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	6200	310	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	646	1200	420	ug/kg	J
132-64-9	Dibenzofuran	150000 ^a	120000	18000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2500	270	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2500	600	ug/kg	
84-66-2	Diethyl phthalate	ND	2500	420	ug/kg	
131-11-3	Dimethyl phthalate	ND	2500	440	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2500	1100	ug/kg	
206-44-0	Fluoranthene	68400	1200	550	ug/kg	
86-73-7	Fluorene	172000 ^a	62000	20000	ug/kg	
118-74-1	Hexachlorobenzene	ND	2500	400	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1200	340	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	25000	1300	ug/kg	
67-72-1	Hexachloroethane	ND	6200	340	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1200	430	ug/kg	
78-59-1	Isophorone	ND	2500	330	ug/kg	
91-57-6	2-Methylnaphthalene	417000 ^a	120000	35000	ug/kg	
88-74-4	2-Nitroaniline	ND	6200	540	ug/kg	
99-09-2	3-Nitroaniline	ND	6200	500	ug/kg	
100-01-6	4-Nitroaniline	ND	6200	480	ug/kg	
91-20-3	Naphthalene	8230000 ^b	120000	34000	ug/kg	
98-95-3	Nitrobenzene	ND	2500	360	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2500	300	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	6200	740	ug/kg	
85-01-8	Phenanthrene	271000 ^a	62000	28000	ug/kg	
129-00-0	Pyrene	46500	1200	480	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2500	330	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	81%	0% ^c	0% ^c	30-109%
4165-62-2	Phenol-d5	83%	0% ^c	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	91%	0% ^c	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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Client Sample ID:	PO-24-2D			Date Sampled:	04/29/10
Lab Sample ID:	JA45591-14			Date Received:	04/30/10
Matrix:	SO - Soil			Percent Solids:	79.2
Method:	SW846 8270C SW846 3550B				
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY				

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	124% ^d	0% ^c	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	99%	0% ^c	0% ^c	38-107%
1718-51-0	Terphenyl-d14	94%	0% ^c	0% ^c	31-116%

(a) Result is from Run# 2

(b) Result is from Run# 3

(c) Outside control limits due to dilution.

(d) Outside control limits due to dilution and matrix interference.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S4	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-15	Date Received:	04/30/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C62860.D	1	05/07/10	NT	n/a	n/a	V3C2770
Run #2	3C62928.D	20	05/08/10	NT	n/a	n/a	V3C2773

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	6.3	10	2.9	ug/l	J
71-43-2	Benzene	758 ^a	20	4.7	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	4.0	0.23	ug/l	
74-83-9	Bromomethane	ND	2.0	0.30	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.6	ug/l	
75-15-0	Carbon disulfide	4.5	2.0	0.74	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.26	ug/l	
108-90-7	Chlorobenzene	19.0	1.0	0.39	ug/l	
75-00-3	Chloroethane	ND	1.0	0.37	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.29	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.22	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.29	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.33	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.40	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.22	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.25	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.27	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	662 ^a	20	5.4	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.4	ug/l	
1634-04-4	Methyl Tert Butyl Ether	1.3	1.0	0.23	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.86	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.30	ug/l	
100-42-5	Styrene	ND	5.0	0.58	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.27	ug/l	
108-88-3	Toluene	419 ^a	20	6.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.26	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S4	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-15	Date Received:	04/30/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.23	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.24	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
1330-20-7	Xylene (total)	1380 ^a	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	107%	76-120%
17060-07-0	1,2-Dichloroethane-D4	105%	118%	64-135%
2037-26-5	Toluene-D8	105%	102%	76-117%
460-00-4	4-Bromofluorobenzene	100%	95%	72-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	PO-24-S4	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-15	Date Received:	04/30/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E26397.D	1	05/07/10	OYA	05/03/10	OP43390	E3E1176
Run #2	3E26412.D	100	05/10/10	OYA	05/03/10	OP43390	E3E1177
Run #3 ^a	3M19302.D	1	05/12/10	KLS	05/11/10	OP43524	E3M826

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2	1000 ml	1.0 ml
Run #3	1000 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	61.8	5.0	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	0.74	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.51	ug/l	
95-48-7	2-Methylphenol	12.9	2.0	1.1	ug/l	
	3&4-Methylphenol	10.7	2.0	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.2	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.83	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.80	ug/l	
108-95-2	Phenol	ND	2.0	0.58	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.2	ug/l	
83-32-9	Acenaphthene	22.9	1.0	0.37	ug/l	
208-96-8	Acenaphthylene	10.7	1.0	0.27	ug/l	
120-12-7	Anthracene	6.7	1.0	0.16	ug/l	
56-55-3	Benzo(a)anthracene	3.7	1.0	0.12	ug/l	
50-32-8	Benzo(a)pyrene	3.1	1.0	0.095	ug/l	
205-99-2	Benzo(b)fluoranthene	2.8	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	1.8	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	1.4	1.0	0.38	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.35	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.25	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.42	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.25	ug/l	
86-74-8	Carbazole	188 ^b	100	17	ug/l	
218-01-9	Chrysene	3.4	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.25	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.31	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-S4	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-15	Date Received:	04/30/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.39	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.35	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.42	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.36	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.39	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.22	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.33	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.72	1.0	0.15	ug/l	J
132-64-9	Dibenzofuran	28.2	5.0	0.30	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.19	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.40	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.1	2.0	0.33	ug/l	
206-44-0	Fluoranthene	10.8	1.0	0.17	ug/l	
86-73-7	Fluorene	19.9	1.0	0.27	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	0.24	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.21	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	1.5	1.0	0.13	ug/l	
78-59-1	Isophorone	ND	2.0	0.25	ug/l	
91-57-6	2-Methylnaphthalene	80.7	1.0	0.66	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.29	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.18	ug/l	
91-20-3	Naphthalene	2830 ^b	100	43	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.25	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.44	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	31.2	1.0	0.21	ug/l	
129-00-0	Pyrene	9.8	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.44	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	21%	0% ^c	30%	13-68%
4165-62-2	Phenol-d5	19%	0% ^c	21%	10-49%
118-79-6	2,4,6-Tribromophenol	97%	0% ^c	90%	37-130%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S4	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-15	Date Received:	04/30/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	54%	0% ^c	81%	25-112%
321-60-8	2-Fluorobiphenyl	71%	0% ^c	90%	31-106%
1718-51-0	Terphenyl-d14	80%	0% ^c	82%	14-122%

(a) Reextract due to several compounds in BS were outside in house QC limits. Original prep date within holding time.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S4		
Lab Sample ID:	JA45591-15	Date Sampled:	04/29/10
Matrix:	AQ - Ground Water	Date Received:	04/30/10
Method:	SW846 8015B	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV81410.D	1	05/04/10	CY	n/a	n/a	GUV3220
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	7.34	0.20	0.032	mg/l	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	85%		68-114%		

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S4		
Lab Sample ID:	JA45591-15	Date Sampled:	04/29/10
Matrix:	AQ - Ground Water	Date Received:	04/30/10
Method:	SW846-8015 SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y22371.D	1	05/04/10	DNM	05/03/10	OP43388	G3Y676
Run #2							

	Initial Volume	Final Volume
Run #1	940 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	16.1	0.11	0.041	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	190% ^a		34-139%
16416-32-3	Tetracosane-d50	85%		34-141%
438-22-2	5a-Androstane	79%		26-140%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-1D	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-16	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	76.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168303.D	1	05/13/10	HSS	n/a	n/a	VD6789
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	4.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	20000	4500	ug/kg	
71-43-2	Benzene	ND	2000	680	ug/kg	
75-27-4	Bromodichloromethane	ND	10000	510	ug/kg	
75-25-2	Bromoform	ND	10000	300	ug/kg	
74-83-9	Bromomethane	ND	10000	810	ug/kg	
78-93-3	2-Butanone (MEK)	ND	20000	3900	ug/kg	
75-15-0	Carbon disulfide	ND	10000	610	ug/kg	
56-23-5	Carbon tetrachloride	ND	10000	1100	ug/kg	
108-90-7	Chlorobenzene	ND	10000	680	ug/kg	
75-00-3	Chloroethane	ND	10000	2000	ug/kg	
67-66-3	Chloroform	ND	10000	640	ug/kg	
74-87-3	Chloromethane	ND	10000	330	ug/kg	
124-48-1	Dibromochloromethane	ND	10000	220	ug/kg	
75-34-3	1,1-Dichloroethane	ND	10000	280	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2000	690	ug/kg	
75-35-4	1,1-Dichloroethene	ND	10000	1300	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	10000	480	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	10000	900	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	10000	480	ug/kg	
78-87-5	1,2-Dichloropropane	ND	10000	260	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	10000	270	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	10000	190	ug/kg	
100-41-4	Ethylbenzene	2500	2000	740	ug/kg	
591-78-6	2-Hexanone	ND	10000	1900	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2000	560	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	10000	1600	ug/kg	
75-09-2	Methylene chloride	ND	10000	450	ug/kg	
100-42-5	Styrene	ND	10000	210	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10000	590	ug/kg	
127-18-4	Tetrachloroethene	ND	10000	290	ug/kg	
108-88-3	Toluene	ND	2000	580	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	10000	260	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-1D	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-16	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	76.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	10000	370	ug/kg	
79-01-6	Trichloroethene	ND	10000	1100	ug/kg	
75-01-4	Vinyl chloride	ND	10000	360	ug/kg	
1330-20-7	Xylene (total)	12200	4000	940	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	101%		65-132%
2037-26-5	Toluene-D8	94%		74-129%
460-00-4	4-Bromofluorobenzene	101%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-1D		
Lab Sample ID:	JA45591-16	Date Sampled:	04/29/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	76.9
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z55408.D	5	05/13/10	JSE	05/12/10	OP43558	EZ2058
Run #2	R80420.D	50	05/14/10	JSE	05/12/10	OP43558	ER2983

	Initial Weight	Final Volume
Run #1	5.1 g	1.0 ml
Run #2	5.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	6400	1300	ug/kg	
95-57-8	2-Chlorophenol	ND ^b	64000	13000	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	6400	1300	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND ^b	64000	13000	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	6400	2100	ug/kg	
120-83-2	2,4-Dichlorophenol	ND ^b	64000	21000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	6400	2100	ug/kg	
105-67-9	2,4-Dimethylphenol	ND ^b	64000	21000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	25000	1600	ug/kg	
51-28-5	2,4-Dinitrophenol	ND ^b	250000	16000	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	25000	1600	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND ^b	250000	16000	ug/kg	
95-48-7	2-Methylphenol	ND	2500	1500	ug/kg	
95-48-7	2-Methylphenol	ND ^b	25000	15000	ug/kg	
	3&4-Methylphenol	ND	2500	1600	ug/kg	
	3&4-Methylphenol	ND ^b	25000	16000	ug/kg	
88-75-5	2-Nitrophenol	ND	6400	1400	ug/kg	
88-75-5	2-Nitrophenol	ND ^b	64000	14000	ug/kg	
100-02-7	4-Nitrophenol	ND	13000	2200	ug/kg	
100-02-7	4-Nitrophenol	ND ^b	130000	22000	ug/kg	
87-86-5	Pentachlorophenol	ND	13000	2200	ug/kg	
87-86-5	Pentachlorophenol	ND ^b	130000	22000	ug/kg	
108-95-2	Phenol	ND	2500	1300	ug/kg	
108-95-2	Phenol	ND ^b	25000	13000	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	6400	1500	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND ^b	64000	15000	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	6400	1200	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND ^b	64000	12000	ug/kg	
83-32-9	Acenaphthene	87600	1300	370	ug/kg	
208-96-8	Acenaphthylene	2850	1300	410	ug/kg	
208-96-8	Acenaphthylene	ND ^b	13000	4100	ug/kg	
120-12-7	Anthracene	42200	1300	450	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-1D	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-16	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	76.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
56-55-3	Benzo(a)anthracene	3910	1300	420	ug/kg	
56-55-3	Benzo(a)anthracene	ND ^b	13000	4200	ug/kg	
50-32-8	Benzo(a)pyrene	1280	1300	390	ug/kg	J
50-32-8	Benzo(a)pyrene	ND ^b	13000	3900	ug/kg	
205-99-2	Benzo(b)fluoranthene	1100	1300	430	ug/kg	J
205-99-2	Benzo(b)fluoranthene	ND ^b	13000	4300	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	1300	470	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND ^b	13000	4700	ug/kg	
207-08-9	Benzo(k)fluoranthene	1300	1300	480	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND ^b	13000	4800	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2500	460	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND ^b	25000	4600	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2500	740	ug/kg	
85-68-7	Butyl benzyl phthalate	ND ^b	25000	7400	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2500	400	ug/kg	
91-58-7	2-Chloronaphthalene	ND ^b	25000	4000	ug/kg	
106-47-8	4-Chloroaniline	ND	6400	410	ug/kg	
106-47-8	4-Chloroaniline	ND ^b	64000	4100	ug/kg	
86-74-8	Carbazole	16300	2500	590	ug/kg	
86-74-8	Carbazole	ND ^b	25000	5900	ug/kg	
218-01-9	Chrysene	4160	1300	430	ug/kg	
218-01-9	Chrysene	ND ^b	13000	4300	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	2500	520	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND ^b	25000	5200	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2500	380	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND ^b	25000	3800	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2500	380	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND ^b	25000	3800	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2500	380	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND ^b	25000	3800	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2500	370	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND ^b	25000	3700	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2500	340	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND ^b	25000	3400	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2500	280	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND ^b	25000	2800	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2500	560	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND ^b	25000	5600	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2500	490	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND ^b	25000	4900	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-1D	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-16	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	76.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
91-94-1	3,3'-Dichlorobenzidine	ND	6400	320	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND ^b	64000	3200	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	1300	430	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND ^b	13000	4300	ug/kg	
132-64-9	Dibenzofuran	79500	2500	380	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2500	280	ug/kg	
84-74-2	Di-n-butyl phthalate	ND ^b	25000	2800	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2500	620	ug/kg	
117-84-0	Di-n-octyl phthalate	ND ^b	25000	6200	ug/kg	
84-66-2	Diethyl phthalate	ND	2500	430	ug/kg	
84-66-2	Diethyl phthalate	ND ^b	25000	4300	ug/kg	
131-11-3	Dimethyl phthalate	ND	2500	450	ug/kg	
131-11-3	Dimethyl phthalate	ND ^b	25000	4500	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2500	1100	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND ^b	25000	11000	ug/kg	
206-44-0	Fluoranthene	30100	1300	560	ug/kg	
206-44-0	Fluoranthene	ND ^b	13000	5600	ug/kg	
86-73-7	Fluorene	83100	1300	420	ug/kg	
118-74-1	Hexachlorobenzene	ND	2500	420	ug/kg	
118-74-1	Hexachlorobenzene	ND ^b	25000	4200	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1300	350	ug/kg	
87-68-3	Hexachlorobutadiene	ND ^b	13000	3500	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	25000	1300	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND ^b	250000	13000	ug/kg	
67-72-1	Hexachloroethane	ND	6400	350	ug/kg	
67-72-1	Hexachloroethane	ND ^b	64000	3500	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	510	1300	440	ug/kg	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND ^b	13000	4400	ug/kg	
78-59-1	Isophorone	ND	2500	340	ug/kg	
78-59-1	Isophorone	ND ^b	25000	3400	ug/kg	
91-57-6	2-Methylnaphthalene	194000 ^b	25000	7100	ug/kg	
88-74-4	2-Nitroaniline	ND	6400	560	ug/kg	
88-74-4	2-Nitroaniline	ND ^b	64000	5600	ug/kg	
99-09-2	3-Nitroaniline	ND	6400	510	ug/kg	
99-09-2	3-Nitroaniline	ND ^b	64000	5100	ug/kg	
100-01-6	4-Nitroaniline	ND	6400	500	ug/kg	
100-01-6	4-Nitroaniline	ND ^b	64000	5000	ug/kg	
91-20-3	Naphthalene	824000 ^b	13000	3500	ug/kg	
98-95-3	Nitrobenzene	ND	2500	370	ug/kg	
98-95-3	Nitrobenzene	ND ^b	25000	3700	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-1D	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-16	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	76.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
621-64-7	N-Nitroso-di-n-propylamine	ND	2500	310	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND ^b	25000	3100	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	6400	760	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND ^b	64000	7600	ug/kg	
85-01-8	Phenanthrene	124000	1300	580	ug/kg	
129-00-0	Pyrene	20400	1300	490	ug/kg	
129-00-0	Pyrene	ND ^b	13000	4900	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2500	340	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND ^b	25000	3400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	78%	0% ^c	30-109%
4165-62-2	Phenol-d5	78%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	93%	0% ^c	28-125%
4165-60-0	Nitrobenzene-d5	91%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	103%	0% ^c	38-107%
1718-51-0	Terphenyl-d14	92%	0% ^c	31-116%

(a) Elevated detection limit due to low volume of sample extracted.

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-1D	
Lab Sample ID:	JA45591-16	Date Sampled: 04/29/10
Matrix:	SO - Soil	Date Received: 04/30/10
Method:	SW846 8015B	Percent Solids: 76.9
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PF82129.D	1	05/06/10	CY	n/a	n/a	GPF2034
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	18.8	16	1.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	95%		66-119%

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PO-24-1D		
Lab Sample ID:	JA45591-16	Date Sampled:	04/29/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846-8015 SW846 3545	Percent Solids:	76.9
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y22456.D	1	05/07/10	OPM	05/04/10	OP43402	G3Y679
Run #2							

	Initial Weight	Final Volume
Run #1	17.0 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	3300	7.6	3.8	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	103%		17-148%
16416-32-3	Tetracosane-d50	101%		29-151%
438-22-2	5a-Androstane	120%		19-161%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-24-8D	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-17	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	77.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168230.D	1	05/11/10	HSS	n/a	n/a	VD6785
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	4000	880	ug/kg	
71-43-2	Benzene	ND	400	140	ug/kg	
75-27-4	Bromodichloromethane	ND	2000	100	ug/kg	
75-25-2	Bromoform	ND	2000	60	ug/kg	
74-83-9	Bromomethane	ND	2000	160	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4000	780	ug/kg	
75-15-0	Carbon disulfide	ND	2000	120	ug/kg	
56-23-5	Carbon tetrachloride	ND	2000	220	ug/kg	
108-90-7	Chlorobenzene	ND	2000	130	ug/kg	
75-00-3	Chloroethane	ND	2000	400	ug/kg	
67-66-3	Chloroform	ND	2000	130	ug/kg	
74-87-3	Chloromethane	ND	2000	65	ug/kg	
124-48-1	Dibromochloromethane	ND	2000	44	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2000	55	ug/kg	
107-06-2	1,2-Dichloroethane	ND	400	140	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2000	260	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2000	95	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2000	180	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	2000	95	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2000	51	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2000	53	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2000	38	ug/kg	
100-41-4	Ethylbenzene	1380	400	150	ug/kg	
591-78-6	2-Hexanone	ND	2000	380	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	400	110	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2000	320	ug/kg	
75-09-2	Methylene chloride	ND	2000	88	ug/kg	
100-42-5	Styrene	ND	2000	42	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2000	120	ug/kg	
127-18-4	Tetrachloroethene	ND	2000	57	ug/kg	
108-88-3	Toluene	141	400	120	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	2000	51	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.17

3

Client Sample ID:	PO-24-8D	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-17	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	77.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2000	73	ug/kg	
79-01-6	Trichloroethene	ND	2000	210	ug/kg	
75-01-4	Vinyl chloride	ND	2000	70	ug/kg	
1330-20-7	Xylene (total)	2910	790	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		67-127%
17060-07-0	1,2-Dichloroethane-D4	81%		65-132%
2037-26-5	Toluene-D8	91%		74-129%
460-00-4	4-Bromofluorobenzene	98%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3.17

3

Client Sample ID:	PO-24-8D	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-17	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	77.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z55420.D	5	05/13/10	JSE	05/12/10	OP43558	EZ2058
Run #2	R80427.D	200	05/14/10	JSE	05/12/10	OP43558	ER2983
Run #3	R80430.D	2000	05/14/10	JSE	05/12/10	OP43558	ER2983

	Initial Weight	Final Volume
Run #1	5.3 g	1.0 ml
Run #2	5.3 g	1.0 ml
Run #3	5.3 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	6100	1200	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	6100	1200	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	6100	2000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	6100	2000	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	24000	1500	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	24000	1500	ug/kg	
95-48-7	2-Methylphenol	ND	2400	1400	ug/kg	
	3&4-Methylphenol	ND	2400	1500	ug/kg	
88-75-5	2-Nitrophenol	ND	6100	1300	ug/kg	
100-02-7	4-Nitrophenol	ND	12000	2100	ug/kg	
87-86-5	Pentachlorophenol	ND	12000	2100	ug/kg	
108-95-2	Phenol	ND	2400	1300	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	6100	1400	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	6100	1100	ug/kg	
83-32-9	Acenaphthene	853000 ^b	49000	14000	ug/kg	
208-96-8	Acenaphthylene	63600	1200	390	ug/kg	
120-12-7	Anthracene	871000 ^b	49000	17000	ug/kg	
56-55-3	Benzo(a)anthracene	89000	1200	400	ug/kg	
50-32-8	Benzo(a)pyrene	79600	1200	370	ug/kg	
205-99-2	Benzo(b)fluoranthene	62800	1200	410	ug/kg	
191-24-2	Benzo(g,h,i)perylene	42500	1200	450	ug/kg	
207-08-9	Benzo(k)fluoranthene	42200	1200	460	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2400	440	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2400	710	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2400	380	ug/kg	
106-47-8	4-Chloroaniline	ND	6100	390	ug/kg	
86-74-8	Carbazole	69700	2400	560	ug/kg	
218-01-9	Chrysene	81600	1200	410	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	2400	490	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2400	370	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-8D	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-17	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	77.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2400	360	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2400	370	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2400	350	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2400	330	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2400	270	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2400	530	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2400	460	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	6100	310	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	12600	1200	420	ug/kg	
132-64-9	Dibenzofuran	1020000 ^b	98000	14000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2400	270	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2400	590	ug/kg	
84-66-2	Diethyl phthalate	ND	2400	420	ug/kg	
131-11-3	Dimethyl phthalate	ND	2400	430	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2400	1100	ug/kg	
206-44-0	Fluoranthene	1370000 ^b	49000	22000	ug/kg	
86-73-7	Fluorene	1040000 ^b	49000	16000	ug/kg	
118-74-1	Hexachlorobenzene	ND	2400	400	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1200	340	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	24000	1200	ug/kg	
67-72-1	Hexachloroethane	ND	6100	340	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	38800	1200	420	ug/kg	
78-59-1	Isophorone	ND	2400	330	ug/kg	
91-57-6	2-Methylnaphthalene	2400000 ^b	98000	27000	ug/kg	
88-74-4	2-Nitroaniline	ND	6100	540	ug/kg	
99-09-2	3-Nitroaniline	ND	6100	490	ug/kg	
100-01-6	4-Nitroaniline	ND	6100	480	ug/kg	
91-20-3	Naphthalene	21500000 ^c	490000	130000	ug/kg	
98-95-3	Nitrobenzene	ND	2400	350	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2400	300	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	6100	730	ug/kg	
85-01-8	Phenanthrene	2590000 ^b	49000	22000	ug/kg	
129-00-0	Pyrene	1190000 ^b	49000	19000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2400	320	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	79%	0% ^d	0% ^d	30-109%
4165-62-2	Phenol-d5	84%	0% ^d	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	92%	0% ^d	0% ^d	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-8D		
Lab Sample ID:	JA45591-17	Date Sampled:	04/29/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	77.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	114% ^e	0% ^d	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	103%	0% ^d	0% ^d	38-107%
1718-51-0	Terphenyl-d14	97%	0% ^d	0% ^d	31-116%

(a) Elevated detection limit due to low volume of sample extracted.

(b) Result is from Run# 2

(c) Result is from Run# 3

(d) Outside control limits due to dilution.

(e) Outside of in house control limits, but within reasonable method recovery limits.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-1	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-18	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	79.5
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168305.D	1	05/13/10	HSS	n/a	n/a	VD6789
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	0.20 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	380000	85000	ug/kg	
71-43-2	Benzene	ND	38000	13000	ug/kg	
75-27-4	Bromodichloromethane	ND	190000	9700	ug/kg	
75-25-2	Bromoform	ND	190000	5700	ug/kg	
74-83-9	Bromomethane	ND	190000	15000	ug/kg	
78-93-3	2-Butanone (MEK)	ND	380000	75000	ug/kg	
75-15-0	Carbon disulfide	ND	190000	12000	ug/kg	
56-23-5	Carbon tetrachloride	ND	190000	21000	ug/kg	
108-90-7	Chlorobenzene	ND	190000	13000	ug/kg	
75-00-3	Chloroethane	ND	190000	38000	ug/kg	
67-66-3	Chloroform	ND	190000	12000	ug/kg	
74-87-3	Chloromethane	ND	190000	6300	ug/kg	
124-48-1	Dibromochloromethane	ND	190000	4200	ug/kg	
75-34-3	1,1-Dichloroethane	ND	190000	5200	ug/kg	
107-06-2	1,2-Dichloroethane	ND	38000	13000	ug/kg	
75-35-4	1,1-Dichloroethene	ND	190000	25000	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	190000	9100	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	190000	17000	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	190000	9100	ug/kg	
78-87-5	1,2-Dichloropropane	ND	190000	4900	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	190000	5000	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	190000	3600	ug/kg	
100-41-4	Ethylbenzene	ND	38000	14000	ug/kg	
591-78-6	2-Hexanone	ND	190000	36000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	38000	11000	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	190000	31000	ug/kg	
75-09-2	Methylene chloride	ND	190000	8500	ug/kg	
100-42-5	Styrene	ND	190000	4100	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	190000	11000	ug/kg	
127-18-4	Tetrachloroethene	ND	190000	5500	ug/kg	
108-88-3	Toluene	ND	38000	11000	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	190000	4900	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-1	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-18	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	79.5
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	190000	7000	ug/kg	
79-01-6	Trichloroethene	ND	190000	20000	ug/kg	
75-01-4	Vinyl chloride	ND	190000	6700	ug/kg	
1330-20-7	Xylene (total)	ND	76000	18000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		67-127%
17060-07-0	1,2-Dichloroethane-D4	101%		65-132%
2037-26-5	Toluene-D8	96%		74-129%
460-00-4	4-Bromofluorobenzene	101%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-1		
Lab Sample ID:	JA45591-18	Date Sampled:	04/29/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	79.5
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z55421.D	5	05/13/10	JSE	05/12/10	OP43558	EZ2058
Run #2	Z55436.D	500	05/14/10	JSE	05/12/10	OP43558	EZ2059
Run #3	Z55443.D	1000	05/14/10	JSE	05/12/10	OP43558	EZ2059

	Initial Weight	Final Volume
Run #1	5.0 g	1.0 ml
Run #2	5.0 g	1.0 ml
Run #3	5.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	6300	1300	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	6300	1300	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	6300	2000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	6300	2100	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	25000	1500	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	25000	1500	ug/kg	
95-48-7	2-Methylphenol	ND	2500	1400	ug/kg	
	3&4-Methylphenol	ND	2500	1600	ug/kg	
88-75-5	2-Nitrophenol	ND	6300	1300	ug/kg	
100-02-7	4-Nitrophenol	ND	13000	2100	ug/kg	
87-86-5	Pentachlorophenol	ND	13000	2200	ug/kg	
108-95-2	Phenol	ND	2500	1300	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	6300	1500	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	6300	1200	ug/kg	
83-32-9	Acenaphthene	369000 ^b	130000	36000	ug/kg	
208-96-8	Acenaphthylene	14600	1300	400	ug/kg	
120-12-7	Anthracene	126000	1300	440	ug/kg	
56-55-3	Benzo(a)anthracene	17100	1300	410	ug/kg	
50-32-8	Benzo(a)pyrene	8030	1300	380	ug/kg	
205-99-2	Benzo(b)fluoranthene	6820	1300	420	ug/kg	
191-24-2	Benzo(g,h,i)perylene	4690	1300	470	ug/kg	
207-08-9	Benzo(k)fluoranthene	6990	1300	470	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2500	460	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2500	730	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2500	390	ug/kg	
106-47-8	4-Chloroaniline	ND	6300	400	ug/kg	
86-74-8	Carbazole	72100	2500	580	ug/kg	
218-01-9	Chrysene	16200	1300	430	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	2500	510	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2500	380	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-1	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-18	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	79.5
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2500	370	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2500	380	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2500	360	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2500	340	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2500	280	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2500	550	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2500	480	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	6300	320	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1390	1300	430	ug/kg	
132-64-9	Dibenzofuran	441000 ^b	250000	37000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2500	280	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2500	610	ug/kg	
84-66-2	Diethyl phthalate	ND	2500	430	ug/kg	
131-11-3	Dimethyl phthalate	ND	2500	440	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2500	1100	ug/kg	
206-44-0	Fluoranthene	115000	1300	550	ug/kg	
86-73-7	Fluorene	369000 ^b	130000	41000	ug/kg	
118-74-1	Hexachlorobenzene	ND	2500	410	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1300	350	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	25000	1300	ug/kg	
67-72-1	Hexachloroethane	ND	6300	350	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	3990	1300	440	ug/kg	
78-59-1	Isophorone	ND	2500	340	ug/kg	
91-57-6	2-Methylnaphthalene	1440000 ^b	250000	70000	ug/kg	
88-74-4	2-Nitroaniline	ND	6300	550	ug/kg	
99-09-2	3-Nitroaniline	ND	6300	500	ug/kg	
100-01-6	4-Nitroaniline	ND	6300	490	ug/kg	
91-20-3	Naphthalene	16800000 ^c	250000	69000	ug/kg	
98-95-3	Nitrobenzene	ND	2500	360	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2500	310	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	6300	750	ug/kg	
85-01-8	Phenanthrene	593000 ^b	130000	57000	ug/kg	
129-00-0	Pyrene	79600	1300	480	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2500	330	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	89%	0% ^d	0% ^d	30-109%
4165-62-2	Phenol-d5	90%	0% ^d	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	100%	0% ^d	0% ^d	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-1			Date Sampled:	04/29/10
Lab Sample ID:	JA45591-18			Date Received:	04/30/10
Matrix:	SO - Soil			Percent Solids:	79.5
Method:	SW846 8270C SW846 3550B				
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY				

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	168% ^e	0% ^d	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	113% ^e	0% ^d	0% ^d	38-107%
1718-51-0	Terphenyl-d14	103%	0% ^d	0% ^d	31-116%

(a) Elevated detection limit due to low volume of sample extracted.

(b) Result is from Run# 2

(c) Result is from Run# 3

(d) Outside control limits due to dilution.

(e) Outside control limits due to dilution and matrix interference.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-4	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-19	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	77.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168229.D	1	05/11/10	HSS	n/a	n/a	VD6785
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	0.50 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	160000	35000	ug/kg	
71-43-2	Benzene	ND	16000	5400	ug/kg	
75-27-4	Bromodichloromethane	ND	79000	4000	ug/kg	
75-25-2	Bromoform	ND	79000	2400	ug/kg	
74-83-9	Bromomethane	ND	79000	6300	ug/kg	
78-93-3	2-Butanone (MEK)	ND	160000	31000	ug/kg	
75-15-0	Carbon disulfide	ND	79000	4800	ug/kg	
56-23-5	Carbon tetrachloride	ND	79000	8700	ug/kg	
108-90-7	Chlorobenzene	ND	79000	5300	ug/kg	
75-00-3	Chloroethane	ND	79000	16000	ug/kg	
67-66-3	Chloroform	ND	79000	5000	ug/kg	
74-87-3	Chloromethane	ND	79000	2600	ug/kg	
124-48-1	Dibromochloromethane	ND	79000	1700	ug/kg	
75-34-3	1,1-Dichloroethane	ND	79000	2200	ug/kg	
107-06-2	1,2-Dichloroethane	ND	16000	5400	ug/kg	
75-35-4	1,1-Dichloroethene	ND	79000	10000	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	79000	3800	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	79000	7100	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	79000	3800	ug/kg	
78-87-5	1,2-Dichloropropane	ND	79000	2000	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	79000	2100	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	79000	1500	ug/kg	
100-41-4	Ethylbenzene	82400	16000	5800	ug/kg	
591-78-6	2-Hexanone	ND	79000	15000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	16000	4400	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	79000	13000	ug/kg	
75-09-2	Methylene chloride	ND	79000	3500	ug/kg	
100-42-5	Styrene	ND	79000	1700	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	79000	4600	ug/kg	
127-18-4	Tetrachloroethene	ND	79000	2300	ug/kg	
108-88-3	Toluene	5340	16000	4600	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	79000	2000	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-4	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-19	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	77.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	79000	2900	ug/kg	
79-01-6	Trichloroethene	ND	79000	8300	ug/kg	
75-01-4	Vinyl chloride	ND	79000	2800	ug/kg	
1330-20-7	Xylene (total)	460000	31000	7400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%		67-127%
17060-07-0	1,2-Dichloroethane-D4	81%		65-132%
2037-26-5	Toluene-D8	92%		74-129%
460-00-4	4-Bromofluorobenzene	97%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-4		
Lab Sample ID:	JA45591-19	Date Sampled:	04/29/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	77.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z55422.D	5	05/13/10	JSE	05/12/10	OP43558	EZ2058
Run #2	Z55437.D	250	05/14/10	JSE	05/12/10	OP43558	EZ2059

	Initial Weight	Final Volume
Run #1	5.0 g	1.0 ml
Run #2	5.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	6400	1300	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	6400	1300	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	6400	2100	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	6400	2200	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	26000	1600	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	26000	1600	ug/kg	
95-48-7	2-Methylphenol	ND	2600	1500	ug/kg	
	3&4-Methylphenol	ND	2600	1600	ug/kg	
88-75-5	2-Nitrophenol	ND	6400	1400	ug/kg	
100-02-7	4-Nitrophenol	ND	13000	2200	ug/kg	
87-86-5	Pentachlorophenol	ND	13000	2200	ug/kg	
108-95-2	Phenol	ND	2600	1300	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	6400	1500	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	6400	1200	ug/kg	
83-32-9	Acenaphthene	231000 ^b	64000	19000	ug/kg	
208-96-8	Acenaphthylene	3930	1300	410	ug/kg	
120-12-7	Anthracene	90900	1300	450	ug/kg	
56-55-3	Benzo(a)anthracene	15800	1300	420	ug/kg	
50-32-8	Benzo(a)pyrene	8460	1300	390	ug/kg	
205-99-2	Benzo(b)fluoranthene	7100	1300	430	ug/kg	
191-24-2	Benzo(g,h,i)perylene	4410	1300	480	ug/kg	
207-08-9	Benzo(k)fluoranthene	6730	1300	480	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2600	470	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2600	740	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2600	400	ug/kg	
106-47-8	4-Chloroaniline	ND	6400	410	ug/kg	
86-74-8	Carbazole	28000	2600	600	ug/kg	
218-01-9	Chrysene	16400	1300	430	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	2600	520	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2600	390	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2600	380	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2600	390	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-4	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-19	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	77.8
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2600	370	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2600	340	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2600	290	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2600	560	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2600	490	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	6400	330	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1740	1300	440	ug/kg	
132-64-9	Dibenzofuran	191000 ^b	130000	19000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2600	290	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2600	630	ug/kg	
84-66-2	Diethyl phthalate	ND	2600	440	ug/kg	
131-11-3	Dimethyl phthalate	ND	2600	450	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2600	1100	ug/kg	
206-44-0	Fluoranthene	82500	1300	570	ug/kg	
86-73-7	Fluorene	178000 ^b	64000	21000	ug/kg	
118-74-1	Hexachlorobenzene	ND	2600	420	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1300	360	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	26000	1300	ug/kg	
67-72-1	Hexachloroethane	ND	6400	360	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	3460	1300	450	ug/kg	
78-59-1	Isophorone	ND	2600	350	ug/kg	
91-57-6	2-Methylnaphthalene	450000 ^b	130000	36000	ug/kg	
88-74-4	2-Nitroaniline	ND	6400	570	ug/kg	
99-09-2	3-Nitroaniline	ND	6400	510	ug/kg	
100-01-6	4-Nitroaniline	ND	6400	500	ug/kg	
91-20-3	Naphthalene	2640000 ^b	64000	18000	ug/kg	
98-95-3	Nitrobenzene	ND	2600	370	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2600	310	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	6400	770	ug/kg	
85-01-8	Phenanthrene	346000 ^b	64000	29000	ug/kg	
129-00-0	Pyrene	61500	1300	490	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2600	340	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%	0% ^c	30-109%
4165-62-2	Phenol-d5	68%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	82%	0% ^c	28-125%
4165-60-0	Nitrobenzene-d5	79%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	95%	0% ^c	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-4		
Lab Sample ID:	JA45591-19	Date Sampled:	04/29/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	77.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	85%	0% ^c	31-116%

- (a) Elevated detection limit due to low volume of sample extracted.
- (b) Result is from Run# 2
- (c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-19-5	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-20	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	78.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168302.D	1	05/13/10	HSS	n/a	n/a	VD6789
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	1.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	78000	17000	ug/kg	
71-43-2	Benzene	ND	7800	2600	ug/kg	
75-27-4	Bromodichloromethane	ND	39000	2000	ug/kg	
75-25-2	Bromoform	ND	39000	1200	ug/kg	
74-83-9	Bromomethane	ND	39000	3100	ug/kg	
78-93-3	2-Butanone (MEK)	ND	78000	15000	ug/kg	
75-15-0	Carbon disulfide	ND	39000	2400	ug/kg	
56-23-5	Carbon tetrachloride	ND	39000	4300	ug/kg	
108-90-7	Chlorobenzene	ND	39000	2600	ug/kg	
75-00-3	Chloroethane	ND	39000	7800	ug/kg	
67-66-3	Chloroform	ND	39000	2500	ug/kg	
74-87-3	Chloromethane	ND	39000	1300	ug/kg	
124-48-1	Dibromochloromethane	ND	39000	850	ug/kg	
75-34-3	1,1-Dichloroethane	ND	39000	1100	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7800	2700	ug/kg	
75-35-4	1,1-Dichloroethene	ND	39000	5100	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	39000	1900	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	39000	3500	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	39000	1900	ug/kg	
78-87-5	1,2-Dichloropropane	ND	39000	1000	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	39000	1000	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	39000	740	ug/kg	
100-41-4	Ethylbenzene	139000	7800	2900	ug/kg	
591-78-6	2-Hexanone	ND	39000	7500	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7800	2200	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	39000	6300	ug/kg	
75-09-2	Methylene chloride	ND	39000	1700	ug/kg	
100-42-5	Styrene	ND	39000	830	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	39000	2300	ug/kg	
127-18-4	Tetrachloroethene	ND	39000	1100	ug/kg	
108-88-3	Toluene	7750	7800	2300	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	39000	990	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-19-5	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-20	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	78.4
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	39000	1400	ug/kg	
79-01-6	Trichloroethene	ND	39000	4100	ug/kg	
75-01-4	Vinyl chloride	ND	39000	1400	ug/kg	
1330-20-7	Xylene (total)	817000	16000	3600	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	101%		65-132%
2037-26-5	Toluene-D8	94%		74-129%
460-00-4	4-Bromofluorobenzene	102%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-19-5		
Lab Sample ID:	JA45591-20	Date Sampled:	04/29/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	78.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z55423.D	5	05/13/10	JSE	05/12/10	OP43558	EZ2058
Run #2	R80426.D	100	05/14/10	JSE	05/12/10	OP43558	ER2983

	Initial Weight	Final Volume
Run #1	5.0 g	1.0 ml
Run #2	5.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	6400	1300	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	6400	1300	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	6400	2100	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	6400	2100	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	26000	1600	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	26000	1600	ug/kg	
95-48-7	2-Methylphenol	ND	2600	1500	ug/kg	
	3&4-Methylphenol	ND	2600	1600	ug/kg	
88-75-5	2-Nitrophenol	ND	6400	1400	ug/kg	
100-02-7	4-Nitrophenol	ND	13000	2200	ug/kg	
87-86-5	Pentachlorophenol	ND	13000	2200	ug/kg	
108-95-2	Phenol	ND	2600	1300	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	6400	1500	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	6400	1200	ug/kg	
83-32-9	Acenaphthene	156000 ^b	26000	7400	ug/kg	
208-96-8	Acenaphthylene	5310	1300	410	ug/kg	
120-12-7	Anthracene	80800	1300	450	ug/kg	
56-55-3	Benzo(a)anthracene	18500	1300	420	ug/kg	
50-32-8	Benzo(a)pyrene	10500	1300	390	ug/kg	
205-99-2	Benzo(b)fluoranthene	8670	1300	430	ug/kg	
191-24-2	Benzo(g,h,i)perylene	5100	1300	470	ug/kg	
207-08-9	Benzo(k)fluoranthene	7970	1300	480	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2600	460	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2600	740	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2600	400	ug/kg	
106-47-8	4-Chloroaniline	ND	6400	410	ug/kg	
86-74-8	Carbazole	32500	2600	590	ug/kg	
218-01-9	Chrysene	18000	1300	430	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	2600	520	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2600	380	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2600	380	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2600	380	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-5	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-20	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	78.4
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2600	370	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2600	340	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2600	280	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2600	560	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2600	490	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	6400	320	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1530	1300	430	ug/kg	
132-64-9	Dibenzofuran	123000 ^b	51000	7600	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2600	280	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2600	620	ug/kg	
84-66-2	Diethyl phthalate	ND	2600	430	ug/kg	
131-11-3	Dimethyl phthalate	ND	2600	450	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2600	1100	ug/kg	
206-44-0	Fluoranthene	88900	1300	560	ug/kg	
86-73-7	Fluorene	117000 ^b	26000	8400	ug/kg	
118-74-1	Hexachlorobenzene	ND	2600	420	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1300	350	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	26000	1300	ug/kg	
67-72-1	Hexachloroethane	ND	6400	350	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	4200	1300	440	ug/kg	
78-59-1	Isophorone	ND	2600	340	ug/kg	
91-57-6	2-Methylnaphthalene	317000 ^b	51000	14000	ug/kg	
88-74-4	2-Nitroaniline	ND	6400	560	ug/kg	
99-09-2	3-Nitroaniline	ND	6400	510	ug/kg	
100-01-6	4-Nitroaniline	ND	6400	500	ug/kg	
91-20-3	Naphthalene	1810000 ^b	26000	7000	ug/kg	
98-95-3	Nitrobenzene	ND	2600	370	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2600	310	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	6400	760	ug/kg	
85-01-8	Phenanthrene	247000 ^b	26000	12000	ug/kg	
129-00-0	Pyrene	67600	1300	490	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2600	340	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%	0% ^c	30-109%
4165-62-2	Phenol-d5	63%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	81%	0% ^c	28-125%
4165-60-0	Nitrobenzene-d5	67%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	89%	0% ^c	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-5		
Lab Sample ID:	JA45591-20	Date Sampled:	04/29/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	78.4
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	79%	0% ^c	31-116%

- (a) Elevated detection limit due to low volume of sample extracted.
- (b) Result is from Run# 2
- (c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-24-S1	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-21	Date Received:	04/30/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C62925.D	20	05/08/10	NT	n/a	n/a	V3C2773
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	200	57	ug/l	
71-43-2	Benzene	2140	20	4.7	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.4	ug/l	
75-25-2	Bromoform	ND	80	4.6	ug/l	
74-83-9	Bromomethane	ND	40	5.9	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	32	ug/l	
75-15-0	Carbon disulfide	ND	40	15	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.1	ug/l	
108-90-7	Chlorobenzene	ND	20	7.8	ug/l	
75-00-3	Chloroethane	ND	20	7.4	ug/l	
67-66-3	Chloroform	ND	20	4.7	ug/l	
74-87-3	Chloromethane	ND	20	5.8	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.3	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	6.7	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	7.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	20	4.3	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	20	5.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	20	4.3	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	5.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.3	ug/l	
100-41-4	Ethylbenzene	310	20	5.4	ug/l	
591-78-6	2-Hexanone	ND	100	28	ug/l	
1634-04-4	Methyl Tert Butyl Ether	8.0	20	4.7	ug/l	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	17	ug/l	
75-09-2	Methylene chloride	ND	40	6.1	ug/l	
100-42-5	Styrene	26.3	100	12	ug/l	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.8	ug/l	
127-18-4	Tetrachloroethene	ND	20	5.3	ug/l	
108-88-3	Toluene	806	20	6.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	5.1	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S1	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-21	Date Received:	04/30/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	20	4.6	ug/l	
79-01-6	Trichloroethene	ND	20	4.8	ug/l	
75-01-4	Vinyl chloride	ND	20	8.9	ug/l	
1330-20-7	Xylene (total)	828	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		76-120%
17060-07-0	1,2-Dichloroethane-D4	120%		64-135%
2037-26-5	Toluene-D8	103%		76-117%
460-00-4	4-Bromofluorobenzene	94%		72-122%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-S1		
Lab Sample ID:	JA45591-21	Date Sampled:	04/29/10
Matrix:	AQ - Ground Water	Date Received:	04/30/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3E26398.D	1	05/07/10	OYA	05/03/10	OP43390	E3E1176
Run #2	3E26413.D	100	05/10/10	OYA	05/03/10	OP43390	E3E1177

	Initial Volume	Final Volume
Run #1	970 ml	1.0 ml
Run #2	970 ml	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.2	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	1.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.2	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	3530 ^b	520	170	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	0.76	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	0.53	ug/l	
95-48-7	2-Methylphenol	715 ^b	210	120	ug/l	
	3&4-Methylphenol	1910 ^b	210	110	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	1.3	ug/l	
100-02-7	4-Nitrophenol	ND	10	0.85	ug/l	
87-86-5	Pentachlorophenol	ND	10	0.82	ug/l	
108-95-2	Phenol	ND	2.1	0.59	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	1.4	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	1.3	ug/l	
83-32-9	Acenaphthene	69.3	1.0	0.38	ug/l	
208-96-8	Acenaphthylene	52.9	1.0	0.28	ug/l	
120-12-7	Anthracene	15.5	1.0	0.17	ug/l	
56-55-3	Benzo(a)anthracene	5.5	1.0	0.13	ug/l	
50-32-8	Benzo(a)pyrene	3.7	1.0	0.098	ug/l	
205-99-2	Benzo(b)fluoranthene	3.6	1.0	0.25	ug/l	
191-24-2	Benzo(g,h,i)perylene	1.8	1.0	0.12	ug/l	
207-08-9	Benzo(k)fluoranthene	1.6	1.0	0.39	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.36	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.26	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.43	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	0.26	ug/l	
86-74-8	Carbazole	76.5	1.0	0.17	ug/l	
218-01-9	Chrysene	4.7	1.0	0.11	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.26	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.1	0.32	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.1	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.36	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-S1	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-21	Date Received:	04/30/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270C SW846 3510C		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.44	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.37	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.40	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.23	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.34	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	5.2	0.30	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.93	1.0	0.16	ug/l	J
132-64-9	Dibenzofuran	64.3	5.2	0.31	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.20	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.41	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.17	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.23	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	9.2	2.1	0.34	ug/l	
206-44-0	Fluoranthene	19.9	1.0	0.17	ug/l	
86-73-7	Fluorene	49.5	1.0	0.28	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.27	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.13	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	21	0.25	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.22	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	1.6	1.0	0.14	ug/l	
78-59-1	Isophorone	ND	2.1	0.26	ug/l	
91-57-6	2-Methylnaphthalene	238 ^b	100	68	ug/l	
88-74-4	2-Nitroaniline	ND	5.2	0.24	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	0.30	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	0.18	ug/l	
91-20-3	Naphthalene	3790 ^b	100	44	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.26	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.45	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.22	ug/l	
85-01-8	Phenanthrene	92.7	1.0	0.22	ug/l	
129-00-0	Pyrene	16.1	1.0	0.16	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.45	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%	0% ^c	13-68%
4165-62-2	Phenol-d5	29%	0% ^c	10-49%
118-79-6	2,4,6-Tribromophenol	100%	0% ^c	37-130%
4165-60-0	Nitrobenzene-d5	87%	0% ^c	25-112%
321-60-8	2-Fluorobiphenyl	68%	0% ^c	31-106%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-S1		
Lab Sample ID:	JA45591-21	Date Sampled:	04/29/10
Matrix:	AQ - Ground Water	Date Received:	04/30/10
Method:	SW846 8270C SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	76%	0% ^c	14-122%

- (a) There is no sample left to reextract for confirmation.
- (b) Result is from Run# 2
- (c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-24-S2	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-22	Date Received:	04/30/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3C62927.D	20	05/08/10	NT	n/a	n/a	V3C2773
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	200	57	ug/l	
71-43-2	Benzene	102	20	4.7	ug/l	
75-27-4	Bromodichloromethane	ND	20	4.4	ug/l	
75-25-2	Bromoform	ND	80	4.6	ug/l	
74-83-9	Bromomethane	ND	40	5.9	ug/l	
78-93-3	2-Butanone (MEK)	ND	200	32	ug/l	
75-15-0	Carbon disulfide	ND	40	15	ug/l	
56-23-5	Carbon tetrachloride	ND	20	5.1	ug/l	
108-90-7	Chlorobenzene	ND	20	7.8	ug/l	
75-00-3	Chloroethane	ND	20	7.4	ug/l	
67-66-3	Chloroform	ND	20	4.7	ug/l	
74-87-3	Chloromethane	ND	20	5.8	ug/l	
124-48-1	Dibromochloromethane	ND	20	4.3	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	6.7	ug/l	
75-35-4	1,1-Dichloroethene	ND	20	7.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	20	4.3	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	20	5.0	ug/l	
540-59-0	1,2-Dichloroethene (total)	ND	20	4.3	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	5.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	4.3	ug/l	
100-41-4	Ethylbenzene	39.8	20	5.4	ug/l	
591-78-6	2-Hexanone	ND	100	28	ug/l	
1634-04-4	Methyl Tert Butyl Ether	98.2	20	4.7	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	100	17	ug/l	
75-09-2	Methylene chloride	ND	40	6.1	ug/l	
100-42-5	Styrene	ND	100	12	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	4.8	ug/l	
127-18-4	Tetrachloroethene	ND	20	5.3	ug/l	
108-88-3	Toluene	157	20	6.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	5.1	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-24-S2	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-22	Date Received:	04/30/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	20	4.6	ug/l	
79-01-6	Trichloroethene	ND	20	4.8	ug/l	
75-01-4	Vinyl chloride	ND	20	8.9	ug/l	
1330-20-7	Xylene (total)	138	20	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		76-120%
17060-07-0	1,2-Dichloroethane-D4	118%		64-135%
2037-26-5	Toluene-D8	102%		76-117%
460-00-4	4-Bromofluorobenzene	95%		72-122%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PO-24-S2	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-22	Date Received:	04/30/10
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8015B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UV81411.D	1	05/04/10	CY	n/a	n/a	GUV3220
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1.32	0.20	0.032	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	84%		68-114%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	PO-24-S2		
Lab Sample ID:	JA45591-22	Date Sampled:	04/29/10
Matrix:	AQ - Ground Water	Date Received:	04/30/10
Method:	SW846-8015 SW846 3510C	Percent Solids:	n/a
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y22372.D	1	05/04/10	DNM	05/03/10	OP43388	G3Y676
Run #2							

	Initial Volume	Final Volume
Run #1	975 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	35.0	0.10	0.040	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	75%		34-139%
16416-32-3	Tetracosane-d50	99%		34-141%
438-22-2	5a-Androstane	132%		26-140%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-19-6	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-23	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	75.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168314.D	1	05/13/10	HSS	n/a	n/a	VD6789
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	5.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	17000	3700	ug/kg	
71-43-2	Benzene	ND	1700	570	ug/kg	
75-27-4	Bromodichloromethane	ND	8300	430	ug/kg	
75-25-2	Bromoform	ND	8300	250	ug/kg	
74-83-9	Bromomethane	ND	8300	670	ug/kg	
78-93-3	2-Butanone (MEK)	ND	17000	3300	ug/kg	
75-15-0	Carbon disulfide	ND	8300	510	ug/kg	
56-23-5	Carbon tetrachloride	ND	8300	920	ug/kg	
108-90-7	Chlorobenzene	ND	8300	560	ug/kg	
75-00-3	Chloroethane	ND	8300	1700	ug/kg	
67-66-3	Chloroform	ND	8300	530	ug/kg	
74-87-3	Chloromethane	ND	8300	270	ug/kg	
124-48-1	Dibromochloromethane	ND	8300	180	ug/kg	
75-34-3	1,1-Dichloroethane	ND	8300	230	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1700	570	ug/kg	
75-35-4	1,1-Dichloroethene	ND	8300	1100	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	8300	400	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	8300	750	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	8300	400	ug/kg	
78-87-5	1,2-Dichloropropane	ND	8300	220	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	8300	220	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	8300	160	ug/kg	
100-41-4	Ethylbenzene	8320	1700	620	ug/kg	
591-78-6	2-Hexanone	ND	8300	1600	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1700	470	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	8300	1300	ug/kg	
75-09-2	Methylene chloride	ND	8300	370	ug/kg	
100-42-5	Styrene	ND	8300	180	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	8300	490	ug/kg	
127-18-4	Tetrachloroethene	ND	8300	240	ug/kg	
108-88-3	Toluene	751	1700	490	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	8300	210	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-19-6	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-23	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	75.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	8300	310	ug/kg	
79-01-6	Trichloroethene	ND	8300	870	ug/kg	
75-01-4	Vinyl chloride	ND	8300	300	ug/kg	
1330-20-7	Xylene (total)	13600	3300	780	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	101%		65-132%
2037-26-5	Toluene-D8	92%		74-129%
460-00-4	4-Bromofluorobenzene	99%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-19-6	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-23	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	75.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z55424.D	5	05/13/10	JSE	05/12/10	OP43558	EZ2058
Run #2	R80428.D	100	05/14/10	JSE	05/12/10	OP43558	ER2983

	Initial Weight	Final Volume
Run #1	5.0 g	1.0 ml
Run #2	5.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	6700	1300	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	6700	1300	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	6700	2100	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	6700	2200	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	27000	1600	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	27000	1600	ug/kg	
95-48-7	2-Methylphenol	ND	2700	1500	ug/kg	
	3&4-Methylphenol	ND	2700	1700	ug/kg	
88-75-5	2-Nitrophenol	ND	6700	1400	ug/kg	
100-02-7	4-Nitrophenol	ND	13000	2300	ug/kg	
87-86-5	Pentachlorophenol	ND	13000	2300	ug/kg	
108-95-2	Phenol	ND	2700	1400	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	6700	1500	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	6700	1300	ug/kg	
83-32-9	Acenaphthene	171000 ^a	27000	7700	ug/kg	
208-96-8	Acenaphthylene	5160	1300	430	ug/kg	
120-12-7	Anthracene	127000	1300	470	ug/kg	
56-55-3	Benzo(a)anthracene	25000	1300	430	ug/kg	
50-32-8	Benzo(a)pyrene	11400	1300	410	ug/kg	
205-99-2	Benzo(b)fluoranthene	9360	1300	440	ug/kg	
191-24-2	Benzo(g,h,i)perylene	4560	1300	500	ug/kg	
207-08-9	Benzo(k)fluoranthene	8520	1300	500	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2700	480	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2700	770	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2700	410	ug/kg	
106-47-8	4-Chloroaniline	ND	6700	430	ug/kg	
86-74-8	Carbazole	32500	2700	620	ug/kg	
218-01-9	Chrysene	22600	1300	450	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	2700	540	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2700	400	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2700	400	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2700	400	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-6	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-23	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	75.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2700	380	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2700	360	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2700	300	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2700	580	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2700	510	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	6700	340	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1530	1300	450	ug/kg	
132-64-9	Dibenzofuran	143000 ^a	53000	7900	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2700	300	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2700	650	ug/kg	
84-66-2	Diethyl phthalate	ND	2700	450	ug/kg	
131-11-3	Dimethyl phthalate	ND	2700	470	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2700	1200	ug/kg	
206-44-0	Fluoranthene	130000	1300	590	ug/kg	
86-73-7	Fluorene	156000 ^a	27000	8700	ug/kg	
118-74-1	Hexachlorobenzene	ND	2700	430	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1300	370	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	27000	1400	ug/kg	
67-72-1	Hexachloroethane	ND	6700	370	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	4320	1300	460	ug/kg	
78-59-1	Isophorone	ND	2700	360	ug/kg	
91-57-6	2-Methylnaphthalene	296000 ^a	53000	15000	ug/kg	
88-74-4	2-Nitroaniline	ND	6700	590	ug/kg	
99-09-2	3-Nitroaniline	ND	6700	530	ug/kg	
100-01-6	4-Nitroaniline	ND	6700	520	ug/kg	
91-20-3	Naphthalene	1280000 ^a	27000	7300	ug/kg	
98-95-3	Nitrobenzene	ND	2700	380	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2700	320	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	6700	790	ug/kg	
85-01-8	Phenanthrene	388000 ^a	27000	12000	ug/kg	
129-00-0	Pyrene	96800	1300	510	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2700	350	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%	0% ^b	30-109%
4165-62-2	Phenol-d5	64%	0% ^b	28-108%
118-79-6	2,4,6-Tribromophenol	76%	0% ^b	28-125%
4165-60-0	Nitrobenzene-d5	76%	0% ^b	28-113%
321-60-8	2-Fluorobiphenyl	88%	0% ^b	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-6		
Lab Sample ID:	JA45591-23	Date Sampled:	04/30/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	75.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	79%	0% ^b	31-116%

- (a) Result is from Run# 2
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-2	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-24	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	79.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168315.D	1	05/13/10	HSS	n/a	n/a	VD6789
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	1.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	76000	17000	ug/kg	J
71-43-2	Benzene	7050	7600	2600	ug/kg	
75-27-4	Bromodichloromethane	ND	38000	2000	ug/kg	
75-25-2	Bromoform	ND	38000	1100	ug/kg	
74-83-9	Bromomethane	ND	38000	3100	ug/kg	
78-93-3	2-Butanone (MEK)	ND	76000	15000	ug/kg	
75-15-0	Carbon disulfide	ND	38000	2300	ug/kg	
56-23-5	Carbon tetrachloride	ND	38000	4200	ug/kg	
108-90-7	Chlorobenzene	ND	38000	2600	ug/kg	
75-00-3	Chloroethane	ND	38000	7600	ug/kg	
67-66-3	Chloroform	ND	38000	2400	ug/kg	
74-87-3	Chloromethane	ND	38000	1300	ug/kg	
124-48-1	Dibromochloromethane	ND	38000	840	ug/kg	
75-34-3	1,1-Dichloroethane	ND	38000	1100	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7600	2600	ug/kg	
75-35-4	1,1-Dichloroethene	ND	38000	5000	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	38000	1800	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	38000	3400	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	38000	1800	ug/kg	
78-87-5	1,2-Dichloropropane	ND	38000	990	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	38000	1000	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	38000	730	ug/kg	
100-41-4	Ethylbenzene	117000	7600	2800	ug/kg	
591-78-6	2-Hexanone	ND	38000	7300	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7600	2100	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	38000	6200	ug/kg	
75-09-2	Methylene chloride	ND	38000	1700	ug/kg	
100-42-5	Styrene	ND	38000	810	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	38000	2200	ug/kg	
127-18-4	Tetrachloroethene	ND	38000	1100	ug/kg	
108-88-3	Toluene	102000	7600	2200	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	38000	970	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-2	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-24	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	79.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	38000	1400	ug/kg	
79-01-6	Trichloroethene	ND	38000	4000	ug/kg	
75-01-4	Vinyl chloride	ND	38000	1400	ug/kg	
1330-20-7	Xylene (total)	488000	15000	3600	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	101%		65-132%
2037-26-5	Toluene-D8	92%		74-129%
460-00-4	4-Bromofluorobenzene	98%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	PO-19-2		
Lab Sample ID:	JA45591-24	Date Sampled:	04/30/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	79.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z55410.D	5	05/13/10	JSE	05/12/10	OP43558	EZ2058
Run #2	R80422.D	50	05/14/10	JSE	05/12/10	OP43558	ER2983
Run #3	R80429.D	100	05/14/10	JSE	05/12/10	OP43558	ER2983

	Initial Weight	Final Volume
Run #1	5.1 g	1.0 ml
Run #2	5.1 g	1.0 ml
Run #3	5.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	6200	1200	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	6200	1200	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	6200	2000	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	6200	2100	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	25000	1500	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	25000	1500	ug/kg	
95-48-7	2-Methylphenol	ND	2500	1400	ug/kg	
	3&4-Methylphenol	ND	2500	1600	ug/kg	
88-75-5	2-Nitrophenol	ND	6200	1300	ug/kg	
100-02-7	4-Nitrophenol	ND	12000	2100	ug/kg	
87-86-5	Pentachlorophenol	ND	12000	2100	ug/kg	
108-95-2	Phenol	ND	2500	1300	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	6200	1400	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	6200	1200	ug/kg	
83-32-9	Acenaphthene	116000	1200	360	ug/kg	
208-96-8	Acenaphthylene	2050	1200	400	ug/kg	
120-12-7	Anthracene	45700	1200	430	ug/kg	
56-55-3	Benzo(a)anthracene	3490	1200	400	ug/kg	
50-32-8	Benzo(a)pyrene	1220	1200	380	ug/kg	
205-99-2	Benzo(b)fluoranthene	1040	1200	410	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	510	1200	460	ug/kg	J
207-08-9	Benzo(k)fluoranthene	1260	1200	460	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2500	450	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2500	720	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2500	380	ug/kg	
106-47-8	4-Chloroaniline	ND	6200	400	ug/kg	
86-74-8	Carbazole	14100	2500	570	ug/kg	
218-01-9	Chrysene	3760	1200	420	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	2500	500	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2500	370	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-2	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-24	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	79.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	2500	370	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2500	370	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2500	360	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2500	330	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2500	280	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2500	540	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2500	470	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	6200	310	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	1200	420	ug/kg	
132-64-9	Dibenzofuran	105000	2500	370	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2500	270	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2500	600	ug/kg	
84-66-2	Diethyl phthalate	ND	2500	420	ug/kg	
131-11-3	Dimethyl phthalate	ND	2500	440	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2500	1100	ug/kg	
206-44-0	Fluoranthene	34900	1200	550	ug/kg	
86-73-7	Fluorene	89800	1200	410	ug/kg	
118-74-1	Hexachlorobenzene	ND	2500	400	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1200	340	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	25000	1300	ug/kg	
67-72-1	Hexachloroethane	ND	6200	340	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	489	1200	430	ug/kg	J
78-59-1	Isophorone	ND	2500	330	ug/kg	
91-57-6	2-Methylnaphthalene	283000 ^b	25000	6900	ug/kg	
88-74-4	2-Nitroaniline	ND	6200	540	ug/kg	
99-09-2	3-Nitroaniline	ND	6200	490	ug/kg	
100-01-6	4-Nitroaniline	ND	6200	480	ug/kg	
91-20-3	Naphthalene	1560000 ^c	25000	6800	ug/kg	
98-95-3	Nitrobenzene	ND	2500	360	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2500	300	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	6200	740	ug/kg	
85-01-8	Phenanthrene	130000 ^b	12000	5600	ug/kg	
129-00-0	Pyrene	23100	1200	470	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2500	330	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	41%	0% ^d	0% ^d	30-109%
4165-62-2	Phenol-d5	38%	0% ^d	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	41%	0% ^d	0% ^d	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-2			Date Sampled:	04/30/10
Lab Sample ID:	JA45591-24			Date Received:	04/30/10
Matrix:	SO - Soil			Percent Solids:	79.3
Method:	SW846 8270C SW846 3550B				
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY				

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	32%	0% ^d	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	46%	0% ^d	0% ^d	38-107%
1718-51-0	Terphenyl-d14	41%	0% ^d	0% ^d	31-116%

(a) Elevated detection limit due to low volume of sample extracted.

(b) Result is from Run# 2

(c) Result is from Run# 3

(d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Client Sample ID:	PO-19-2	
Lab Sample ID:	JA45591-24	Date Sampled: 04/30/10
Matrix:	SO - Soil	Date Received: 04/30/10
Method:	SW846 8015B	Percent Solids: 79.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PF82192.D	1	05/08/10	CY	n/a	n/a	GPF2038
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	10.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	3270	150	14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	96%		66-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-2		
Lab Sample ID:	JA45591-24	Date Sampled:	04/30/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846-8015 SW846 3545	Percent Solids:	79.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y22541.D	10	05/10/10	DNM	05/04/10	OP43402	G3Y681
Run #2							

	Initial Weight	Final Volume
Run #1	17.1 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	10300	74	37	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	211% ^a		17-148%
16416-32-3	Tetracosane-d50	129%		29-151%
438-22-2	5a-Androstane	149%		19-161%

(a) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-8	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-25	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	75.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168328.D	1	05/14/10	HSS	n/a	n/a	VD6790
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	2.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	42000	9300	ug/kg	
71-43-2	Benzene	ND	4200	1400	ug/kg	
75-27-4	Bromodichloromethane	ND	21000	1100	ug/kg	
75-25-2	Bromoform	ND	21000	630	ug/kg	
74-83-9	Bromomethane	ND	21000	1700	ug/kg	
78-93-3	2-Butanone (MEK)	ND	42000	8200	ug/kg	
75-15-0	Carbon disulfide	ND	21000	1300	ug/kg	
56-23-5	Carbon tetrachloride	ND	21000	2300	ug/kg	
108-90-7	Chlorobenzene	ND	21000	1400	ug/kg	
75-00-3	Chloroethane	ND	21000	4200	ug/kg	
67-66-3	Chloroform	ND	21000	1300	ug/kg	
74-87-3	Chloromethane	ND	21000	690	ug/kg	
124-48-1	Dibromochloromethane	ND	21000	460	ug/kg	
75-34-3	1,1-Dichloroethane	ND	21000	570	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4200	1400	ug/kg	
75-35-4	1,1-Dichloroethene	ND	21000	2800	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	21000	990	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	21000	1900	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	21000	990	ug/kg	
78-87-5	1,2-Dichloropropane	ND	21000	540	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	21000	550	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	21000	400	ug/kg	
100-41-4	Ethylbenzene	72700	4200	1500	ug/kg	
591-78-6	2-Hexanone	ND	21000	4000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4200	1200	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	21000	3400	ug/kg	
75-09-2	Methylene chloride	ND	21000	930	ug/kg	
100-42-5	Styrene	ND	21000	440	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	21000	1200	ug/kg	
127-18-4	Tetrachloroethene	ND	21000	600	ug/kg	
108-88-3	Toluene	6050	4200	1200	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	21000	530	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-8	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-25	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	75.1
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	21000	770	ug/kg	
79-01-6	Trichloroethene	ND	21000	2200	ug/kg	
75-01-4	Vinyl chloride	ND	21000	740	ug/kg	
1330-20-7	Xylene (total)	342000	8300	2000	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		67-127%
17060-07-0	1,2-Dichloroethane-D4	105%		65-132%
2037-26-5	Toluene-D8	92%		74-129%
460-00-4	4-Bromofluorobenzene	99%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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Client Sample ID:	PO-19-8		
Lab Sample ID:	JA45591-25	Date Sampled:	04/30/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	75.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z55438.D	5	05/14/10	JSE	05/12/10	OP43558	EZ2059
Run #2	Z55439.D	100	05/14/10	JSE	05/12/10	OP43558	EZ2059

	Initial Weight	Final Volume
Run #1	5.0 g	1.0 ml
Run #2	5.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	6700	1300	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	6700	1300	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	6700	2100	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	6700	2200	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	27000	1600	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	27000	1600	ug/kg	
95-48-7	2-Methylphenol	ND	2700	1500	ug/kg	
	3&4-Methylphenol	ND	2700	1700	ug/kg	
88-75-5	2-Nitrophenol	ND	6700	1400	ug/kg	
100-02-7	4-Nitrophenol	ND	13000	2300	ug/kg	
87-86-5	Pentachlorophenol	ND	13000	2300	ug/kg	
108-95-2	Phenol	ND	2700	1400	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	6700	1500	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	6700	1300	ug/kg	
83-32-9	Acenaphthene	118000	1300	390	ug/kg	
208-96-8	Acenaphthylene	3460	1300	430	ug/kg	
120-12-7	Anthracene	54000	1300	470	ug/kg	
56-55-3	Benzo(a)anthracene	5790	1300	430	ug/kg	
50-32-8	Benzo(a)pyrene	ND	1300	410	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	1300	440	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	1300	500	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	1300	500	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	2700	480	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	2700	770	ug/kg	
91-58-7	2-Chloronaphthalene	ND	2700	410	ug/kg	
106-47-8	4-Chloroaniline	ND	6700	430	ug/kg	
86-74-8	Carbazole	12300	2700	620	ug/kg	
218-01-9	Chrysene	7200	1300	450	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	2700	540	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	2700	400	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2700	400	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2700	400	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-8	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-25	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	75.1
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	2700	380	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2700	360	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2700	300	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	2700	580	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	2700	510	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	6700	340	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	1300	450	ug/kg	
132-64-9	Dibenzofuran	116000	2700	400	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	2700	300	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	2700	650	ug/kg	
84-66-2	Diethyl phthalate	ND	2700	450	ug/kg	
131-11-3	Dimethyl phthalate	ND	2700	470	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2700	1200	ug/kg	
206-44-0	Fluoranthene	50200	1300	590	ug/kg	
86-73-7	Fluorene	96100	1300	440	ug/kg	
118-74-1	Hexachlorobenzene	ND	2700	430	ug/kg	
87-68-3	Hexachlorobutadiene	ND	1300	370	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	27000	1400	ug/kg	
67-72-1	Hexachloroethane	ND	6700	370	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1300	460	ug/kg	
78-59-1	Isophorone	ND	2700	360	ug/kg	
91-57-6	2-Methylnaphthalene	240000 ^b	53000	15000	ug/kg	
88-74-4	2-Nitroaniline	ND	6700	590	ug/kg	
99-09-2	3-Nitroaniline	ND	6700	530	ug/kg	
100-01-6	4-Nitroaniline	ND	6700	520	ug/kg	
91-20-3	Naphthalene	1720000 ^b	27000	7300	ug/kg	
98-95-3	Nitrobenzene	ND	2700	380	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	2700	320	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	6700	790	ug/kg	
85-01-8	Phenanthrene	178000 ^b	27000	12000	ug/kg	
129-00-0	Pyrene	32600	1300	510	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	2700	350	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%	0% ^c	30-109%
4165-62-2	Phenol-d5	56%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	60%	0% ^c	28-125%
4165-60-0	Nitrobenzene-d5	66%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	76%	0% ^c	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-8		
Lab Sample ID:	JA45591-25	Date Sampled:	04/30/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	75.1
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	63%	0% ^c	31-116%

- (a) Elevated detection limit due to low volume of sample extracted.
- (b) Result is from Run# 2
- (c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-19-7	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-26	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	73.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168316.D	1	05/13/10	HSS	n/a	n/a	VD6789
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	1.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	87000	19000	ug/kg	
71-43-2	Benzene	ND	8700	3000	ug/kg	
75-27-4	Bromodichloromethane	ND	43000	2200	ug/kg	
75-25-2	Bromoform	ND	43000	1300	ug/kg	
74-83-9	Bromomethane	ND	43000	3500	ug/kg	
78-93-3	2-Butanone (MEK)	ND	87000	17000	ug/kg	
75-15-0	Carbon disulfide	ND	43000	2700	ug/kg	
56-23-5	Carbon tetrachloride	ND	43000	4800	ug/kg	
108-90-7	Chlorobenzene	ND	43000	2900	ug/kg	
75-00-3	Chloroethane	ND	43000	8700	ug/kg	
67-66-3	Chloroform	ND	43000	2800	ug/kg	
74-87-3	Chloromethane	ND	43000	1400	ug/kg	
124-48-1	Dibromochloromethane	ND	43000	960	ug/kg	
75-34-3	1,1-Dichloroethane	ND	43000	1200	ug/kg	
107-06-2	1,2-Dichloroethane	ND	8700	3000	ug/kg	
75-35-4	1,1-Dichloroethene	ND	43000	5800	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	43000	2100	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	43000	3900	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	43000	2100	ug/kg	
78-87-5	1,2-Dichloropropane	ND	43000	1100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	43000	1200	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	43000	840	ug/kg	
100-41-4	Ethylbenzene	141000	8700	3200	ug/kg	
591-78-6	2-Hexanone	ND	43000	8400	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	8700	2500	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	43000	7100	ug/kg	
75-09-2	Methylene chloride	ND	43000	1900	ug/kg	
100-42-5	Styrene	ND	43000	930	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	43000	2500	ug/kg	
127-18-4	Tetrachloroethene	ND	43000	1300	ug/kg	
108-88-3	Toluene	57300	8700	2500	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	43000	1100	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.26

3

Client Sample ID:	PO-19-7	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-26	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	73.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	43000	1600	ug/kg	
79-01-6	Trichloroethene	ND	43000	4600	ug/kg	
75-01-4	Vinyl chloride	ND	43000	1500	ug/kg	
1330-20-7	Xylene (total)	589000	17000	4100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	100%		65-132%
2037-26-5	Toluene-D8	95%		74-129%
460-00-4	4-Bromofluorobenzene	100%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-19-7		
Lab Sample ID:	JA45591-26	Date Sampled:	04/30/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	73.0
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2M29035.D	1	05/13/10	OYA	05/12/10	OP43559	E2M1232
Run #2	2M29041.D	100	05/13/10	OYA	05/12/10	OP43559	E2M1232

	Initial Weight	Final Volume
Run #1	5.1 g	1.0 ml
Run #2	5.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1300	270	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	1300	270	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	1300	430	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	1300	450	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	5400	330	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	5400	330	ug/kg	
95-48-7	2-Methylphenol	ND	540	310	ug/kg	
	3&4-Methylphenol	ND	540	340	ug/kg	
88-75-5	2-Nitrophenol	ND	1300	280	ug/kg	
100-02-7	4-Nitrophenol	ND	2700	450	ug/kg	
87-86-5	Pentachlorophenol	ND	2700	460	ug/kg	
108-95-2	Phenol	ND	540	280	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	1300	310	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	1300	250	ug/kg	
83-32-9	Acenaphthene	162000 ^b	27000	7800	ug/kg	
208-96-8	Acenaphthylene	2070	270	86	ug/kg	
120-12-7	Anthracene	95500 ^b	27000	9400	ug/kg	
56-55-3	Benzo(a)anthracene	6640	270	88	ug/kg	
50-32-8	Benzo(a)pyrene	2670	270	82	ug/kg	
205-99-2	Benzo(b)fluoranthene	3010	270	90	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1180	270	100	ug/kg	
207-08-9	Benzo(k)fluoranthene	1520	270	100	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	540	98	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	540	160	ug/kg	
91-58-7	2-Chloronaphthalene	ND	540	83	ug/kg	
106-47-8	4-Chloroaniline	ND	1300	86	ug/kg	
86-74-8	Carbazole	15700	540	120	ug/kg	
218-01-9	Chrysene	5330	270	91	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	540	110	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	540	81	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	540	80	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	540	81	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-7	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-26	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	73.0
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	540	77	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	540	72	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	540	60	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	540	120	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	540	100	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1300	68	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	552	270	92	ug/kg	
132-64-9	Dibenzofuran	144000 ^b	54000	8000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	540	60	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	540	130	ug/kg	
84-66-2	Diethyl phthalate	ND	540	92	ug/kg	
131-11-3	Dimethyl phthalate	ND	540	95	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	540	240	ug/kg	
206-44-0	Fluoranthene	127000 ^b	27000	12000	ug/kg	
86-73-7	Fluorene	124000 ^b	27000	8800	ug/kg	
118-74-1	Hexachlorobenzene	ND	540	88	ug/kg	
87-68-3	Hexachlorobutadiene	ND	270	75	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	5400	270	ug/kg	
67-72-1	Hexachloroethane	ND	1300	75	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1130	270	93	ug/kg	
78-59-1	Isophorone	ND	540	72	ug/kg	
91-57-6	2-Methylnaphthalene	314000 ^b	54000	15000	ug/kg	
88-74-4	2-Nitroaniline	ND	1300	120	ug/kg	
99-09-2	3-Nitroaniline	ND	1300	110	ug/kg	
100-01-6	4-Nitroaniline	ND	1300	100	ug/kg	
91-20-3	Naphthalene	831000 ^b	27000	7300	ug/kg	
98-95-3	Nitrobenzene	ND	540	78	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	540	66	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1300	160	ug/kg	
85-01-8	Phenanthrene	311000 ^b	27000	12000	ug/kg	
129-00-0	Pyrene	99900 ^b	27000	10000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	540	71	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	70%	0% ^c	30-109%
4165-62-2	Phenol-d5	56%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	72%	0% ^c	28-125%
4165-60-0	Nitrobenzene-d5	66%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	62%	0% ^c	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-7		
Lab Sample ID:	JA45591-26	Date Sampled:	04/30/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	73.0
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	64%	0% ^c	31-116%

- (a) Elevated detection limit due to low volume of sample extracted.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-9	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-27	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168329.D	1	05/14/10	HSS	n/a	n/a	VD6790
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	2.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	41000	9200	ug/kg	
71-43-2	Benzene	ND	4100	1400	ug/kg	
75-27-4	Bromodichloromethane	ND	21000	1100	ug/kg	
75-25-2	Bromoform	ND	21000	630	ug/kg	
74-83-9	Bromomethane	ND	21000	1700	ug/kg	
78-93-3	2-Butanone (MEK)	ND	41000	8200	ug/kg	
75-15-0	Carbon disulfide	ND	21000	1300	ug/kg	
56-23-5	Carbon tetrachloride	ND	21000	2300	ug/kg	
108-90-7	Chlorobenzene	ND	21000	1400	ug/kg	
75-00-3	Chloroethane	ND	21000	4100	ug/kg	
67-66-3	Chloroform	ND	21000	1300	ug/kg	
74-87-3	Chloromethane	ND	21000	680	ug/kg	
124-48-1	Dibromochloromethane	ND	21000	460	ug/kg	
75-34-3	1,1-Dichloroethane	ND	21000	570	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4100	1400	ug/kg	
75-35-4	1,1-Dichloroethene	ND	21000	2700	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	21000	990	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	21000	1900	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	21000	990	ug/kg	
78-87-5	1,2-Dichloropropane	ND	21000	540	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	21000	550	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	21000	400	ug/kg	
100-41-4	Ethylbenzene	111000	4100	1500	ug/kg	
591-78-6	2-Hexanone	ND	21000	4000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4100	1200	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	21000	3400	ug/kg	
75-09-2	Methylene chloride	ND	21000	920	ug/kg	
100-42-5	Styrene	ND	21000	440	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	21000	1200	ug/kg	
127-18-4	Tetrachloroethene	ND	21000	600	ug/kg	
108-88-3	Toluene	14300	4100	1200	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	21000	530	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-19-9	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-27	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	21000	770	ug/kg	
79-01-6	Trichloroethene	ND	21000	2200	ug/kg	
75-01-4	Vinyl chloride	ND	21000	740	ug/kg	
1330-20-7	Xylene (total)	426000	8300	1900	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	106%		65-132%
2037-26-5	Toluene-D8	95%		74-129%
460-00-4	4-Bromofluorobenzene	101%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-9		
Lab Sample ID:	JA45591-27	Date Sampled:	04/30/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	75.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2M29036.D	1	05/13/10	OYA	05/12/10	OP43559	E2M1232
Run #2	2M29042.D	100	05/13/10	OYA	05/12/10	OP43559	E2M1232

	Initial Weight	Final Volume
Run #1	5.1 g	1.0 ml
Run #2	5.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1300	260	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	1300	260	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	1300	420	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	1300	440	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	5200	320	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	5200	320	ug/kg	
95-48-7	2-Methylphenol	ND	520	300	ug/kg	
	3&4-Methylphenol	ND	520	330	ug/kg	
88-75-5	2-Nitrophenol	ND	1300	280	ug/kg	
100-02-7	4-Nitrophenol	ND	2600	440	ug/kg	
87-86-5	Pentachlorophenol	ND	2600	450	ug/kg	
108-95-2	Phenol	ND	520	270	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	1300	300	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	1300	240	ug/kg	
83-32-9	Acenaphthene	130000 ^b	26000	7600	ug/kg	
208-96-8	Acenaphthylene	2030	260	83	ug/kg	
120-12-7	Anthracene	71600 ^b	26000	9100	ug/kg	
56-55-3	Benzo(a)anthracene	6820	260	85	ug/kg	
50-32-8	Benzo(a)pyrene	2950	260	79	ug/kg	
205-99-2	Benzo(b)fluoranthene	3650	260	87	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1330	260	97	ug/kg	
207-08-9	Benzo(k)fluoranthene	1150	260	98	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	520	95	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	520	150	ug/kg	
91-58-7	2-Chloronaphthalene	ND	520	81	ug/kg	
106-47-8	4-Chloroaniline	ND	1300	83	ug/kg	
86-74-8	Carbazole	12500	520	120	ug/kg	
218-01-9	Chrysene	5560	260	88	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	520	110	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	520	78	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	520	77	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	520	78	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-9	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-27	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	520	75	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	520	70	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	520	58	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	520	110	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	520	99	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1300	66	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	552	260	89	ug/kg	
132-64-9	Dibenzofuran	112000 ^b	52000	7700	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	520	58	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	520	130	ug/kg	
84-66-2	Diethyl phthalate	ND	520	89	ug/kg	
131-11-3	Dimethyl phthalate	ND	520	92	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	520	230	ug/kg	
206-44-0	Fluoranthene	102000 ^b	26000	11000	ug/kg	
86-73-7	Fluorene	103000 ^b	26000	8500	ug/kg	
118-74-1	Hexachlorobenzene	ND	520	85	ug/kg	
87-68-3	Hexachlorobutadiene	ND	260	72	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	5200	270	ug/kg	
67-72-1	Hexachloroethane	ND	1300	72	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1240	260	90	ug/kg	
78-59-1	Isophorone	ND	520	70	ug/kg	
91-57-6	2-Methylnaphthalene	279000 ^b	52000	15000	ug/kg	
88-74-4	2-Nitroaniline	ND	1300	110	ug/kg	
99-09-2	3-Nitroaniline	ND	1300	100	ug/kg	
100-01-6	4-Nitroaniline	ND	1300	100	ug/kg	
91-20-3	Naphthalene	1580000 ^b	26000	7100	ug/kg	
98-95-3	Nitrobenzene	ND	520	75	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	520	64	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1300	160	ug/kg	
85-01-8	Phenanthrene	250000 ^b	26000	12000	ug/kg	
129-00-0	Pyrene	76800 ^b	26000	10000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	520	69	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	74%	0% ^c	30-109%
4165-62-2	Phenol-d5	59%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	77%	0% ^c	28-125%
4165-60-0	Nitrobenzene-d5	71%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	64%	0% ^c	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-9		
Lab Sample ID:	JA45591-27	Date Sampled:	04/30/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	75.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	67%	0% ^c	31-116%

- (a) Elevated detection limit due to low volume of sample extracted.
- (b) Result is from Run# 2
- (c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-9	
Lab Sample ID:	JA45591-27	Date Sampled: 04/30/10
Matrix:	SO - Soil	Date Received: 04/30/10
Method:	SW846 8015B	Percent Solids: 75.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	PF82185.D	1	05/08/10	CY	n/a	n/a	GPF2038
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.3 g	5.0 ml	20.0 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	3970	79	7.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-08-8	aaa-Trifluorotoluene	95%		66-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-9		
Lab Sample ID:	JA45591-27	Date Sampled:	04/30/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846-8015 SW846 3545	Percent Solids:	75.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3Y22458.D	1	05/07/10	OPM	05/04/10	OP43402	G3Y679
Run #2	3Y22542.D	10	05/10/10	DNM	05/04/10	OP43402	G3Y681

	Initial Weight	Final Volume
Run #1	17.0 g	1.0 ml
Run #2	17.0 g	1.0 ml

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C28)	11100 ^a	78	39	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	147%	188% ^b	17-148%
16416-32-3	Tetracosane-d50	87%	114%	29-151%
438-22-2	5a-Androstane	58%	174% ^b	19-161%

(a) Result is from Run# 2

(b) Outside control limits due to matrix interference and dilution.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-19-12	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-28	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	81.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168318.D	1	05/13/10	HSS	n/a	n/a	VD6789
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	2.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	36000	8100	ug/kg	
71-43-2	Benzene	4800	3600	1200	ug/kg	
75-27-4	Bromodichloromethane	ND	18000	930	ug/kg	
75-25-2	Bromoform	ND	18000	550	ug/kg	
74-83-9	Bromomethane	ND	18000	1500	ug/kg	
78-93-3	2-Butanone (MEK)	ND	36000	7100	ug/kg	
75-15-0	Carbon disulfide	ND	18000	1100	ug/kg	
56-23-5	Carbon tetrachloride	ND	18000	2000	ug/kg	
108-90-7	Chlorobenzene	ND	18000	1200	ug/kg	
75-00-3	Chloroethane	ND	18000	3600	ug/kg	
67-66-3	Chloroform	ND	18000	1200	ug/kg	
74-87-3	Chloromethane	ND	18000	600	ug/kg	
124-48-1	Dibromochloromethane	ND	18000	400	ug/kg	
75-34-3	1,1-Dichloroethane	ND	18000	500	ug/kg	
107-06-2	1,2-Dichloroethane	ND	3600	1200	ug/kg	
75-35-4	1,1-Dichloroethene	ND	18000	2400	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	18000	870	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	18000	1600	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	18000	870	ug/kg	
78-87-5	1,2-Dichloropropane	ND	18000	470	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	18000	480	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	18000	350	ug/kg	
100-41-4	Ethylbenzene	42900	3600	1300	ug/kg	
591-78-6	2-Hexanone	ND	18000	3500	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	3600	1000	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	18000	2900	ug/kg	
75-09-2	Methylene chloride	ND	18000	810	ug/kg	
100-42-5	Styrene	ND	18000	390	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	18000	1100	ug/kg	
127-18-4	Tetrachloroethene	ND	18000	520	ug/kg	
108-88-3	Toluene	113000	3600	1100	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	18000	460	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.28

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Client Sample ID:	PO-19-12	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-28	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	81.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	18000	670	ug/kg	
79-01-6	Trichloroethene	ND	18000	1900	ug/kg	
75-01-4	Vinyl chloride	ND	18000	640	ug/kg	
1330-20-7	Xylene (total)	197000	7200	1700	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	101%		65-132%
2037-26-5	Toluene-D8	95%		74-129%
460-00-4	4-Bromofluorobenzene	102%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-19-12		
Lab Sample ID:	JA45591-28	Date Sampled:	04/30/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	81.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2M29037.D	1	05/13/10	OYA	05/12/10	OP43559	E2M1232
Run #2	2M29044.D	20	05/13/10	OYA	05/12/10	OP43559	E2M1232

	Initial Weight	Final Volume
Run #1	5.1 g	1.0 ml
Run #2	5.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1200	240	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	1200	240	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	1200	390	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	1200	400	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	4800	290	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	4800	290	ug/kg	
95-48-7	2-Methylphenol	ND	480	270	ug/kg	
	3&4-Methylphenol	ND	480	300	ug/kg	
88-75-5	2-Nitrophenol	ND	1200	250	ug/kg	
100-02-7	4-Nitrophenol	ND	2400	410	ug/kg	
87-86-5	Pentachlorophenol	ND	2400	410	ug/kg	
108-95-2	Phenol	ND	480	250	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	1200	280	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	1200	230	ug/kg	
83-32-9	Acenaphthene	47900 ^b	4800	1400	ug/kg	
208-96-8	Acenaphthylene	964	240	77	ug/kg	
120-12-7	Anthracene	27700 ^b	4800	1700	ug/kg	
56-55-3	Benzo(a)anthracene	3560	240	78	ug/kg	
50-32-8	Benzo(a)pyrene	1480	240	73	ug/kg	
205-99-2	Benzo(b)fluoranthene	2020	240	80	ug/kg	
191-24-2	Benzo(g,h,i)perylene	672	240	89	ug/kg	
207-08-9	Benzo(k)fluoranthene	841	240	90	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	480	87	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	480	140	ug/kg	
91-58-7	2-Chloronaphthalene	ND	480	74	ug/kg	
106-47-8	4-Chloroaniline	ND	1200	77	ug/kg	
86-74-8	Carbazole	23300	480	110	ug/kg	
218-01-9	Chrysene	2970	240	81	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	480	97	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	480	72	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	480	71	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	480	72	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-12	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-28	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	81.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	480	69	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	480	64	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	480	54	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	480	100	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	480	91	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1200	61	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	313	240	82	ug/kg	
132-64-9	Dibenzofuran	45600 ^b	9600	1400	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	480	53	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	480	120	ug/kg	
84-66-2	Diethyl phthalate	ND	480	82	ug/kg	
131-11-3	Dimethyl phthalate	ND	480	84	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	480	210	ug/kg	
206-44-0	Fluoranthene	22600	240	110	ug/kg	
86-73-7	Fluorene	53200 ^b	4800	1600	ug/kg	
118-74-1	Hexachlorobenzene	ND	480	78	ug/kg	
87-68-3	Hexachlorobutadiene	ND	240	67	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	4800	240	ug/kg	
67-72-1	Hexachloroethane	ND	1200	67	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	599	240	83	ug/kg	
78-59-1	Isophorone	ND	480	65	ug/kg	
91-57-6	2-Methylnaphthalene	69600 ^b	9600	2700	ug/kg	
88-74-4	2-Nitroaniline	ND	1200	110	ug/kg	
99-09-2	3-Nitroaniline	ND	1200	96	ug/kg	
100-01-6	4-Nitroaniline	ND	1200	94	ug/kg	
91-20-3	Naphthalene	179000 ^b	4800	1300	ug/kg	
98-95-3	Nitrobenzene	ND	480	69	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	480	59	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1200	140	ug/kg	
85-01-8	Phenanthrene	94600 ^b	4800	2200	ug/kg	
129-00-0	Pyrene	15500	240	92	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	480	64	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	76%	69%	30-109%
4165-62-2	Phenol-d5	60%	57%	28-108%
118-79-6	2,4,6-Tribromophenol	82%	70%	28-125%
4165-60-0	Nitrobenzene-d5	71%	58%	28-113%
321-60-8	2-Fluorobiphenyl	71%	74%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-12		
Lab Sample ID:	JA45591-28	Date Sampled:	04/30/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	81.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	75%	79%	31-116%

- (a) Elevated detection limit due to low volume of sample extracted.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-19-13	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-29	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	72.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168317.D	1	05/13/10	HSS	n/a	n/a	VD6789
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.9 g	10.0 ml	2.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	44000	9900	ug/kg	
71-43-2	Benzene	12400	4400	1500	ug/kg	
75-27-4	Bromodichloromethane	ND	22000	1100	ug/kg	
75-25-2	Bromoform	ND	22000	670	ug/kg	
74-83-9	Bromomethane	ND	22000	1800	ug/kg	
78-93-3	2-Butanone (MEK)	ND	44000	8700	ug/kg	
75-15-0	Carbon disulfide	ND	22000	1300	ug/kg	
56-23-5	Carbon tetrachloride	ND	22000	2500	ug/kg	
108-90-7	Chlorobenzene	ND	22000	1500	ug/kg	
75-00-3	Chloroethane	ND	22000	4400	ug/kg	
67-66-3	Chloroform	ND	22000	1400	ug/kg	
74-87-3	Chloromethane	ND	22000	730	ug/kg	
124-48-1	Dibromochloromethane	ND	22000	490	ug/kg	
75-34-3	1,1-Dichloroethane	ND	22000	610	ug/kg	
107-06-2	1,2-Dichloroethane	ND	4400	1500	ug/kg	
75-35-4	1,1-Dichloroethene	ND	22000	2900	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	22000	1100	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	22000	2000	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	22000	1100	ug/kg	
78-87-5	1,2-Dichloropropane	ND	22000	570	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	22000	590	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	22000	420	ug/kg	
100-41-4	Ethylbenzene	65800	4400	1600	ug/kg	
591-78-6	2-Hexanone	ND	22000	4300	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	4400	1200	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	22000	3600	ug/kg	
75-09-2	Methylene chloride	ND	22000	990	ug/kg	
100-42-5	Styrene	ND	22000	470	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	22000	1300	ug/kg	
127-18-4	Tetrachloroethene	ND	22000	640	ug/kg	
108-88-3	Toluene	92300	4400	1300	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	22000	570	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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3.29

3

Client Sample ID:	PO-19-13	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-29	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	72.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	22000	820	ug/kg	
79-01-6	Trichloroethene	ND	22000	2300	ug/kg	
75-01-4	Vinyl chloride	ND	22000	790	ug/kg	
1330-20-7	Xylene (total)	310000	8800	2100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	102%		65-132%
2037-26-5	Toluene-D8	95%		74-129%
460-00-4	4-Bromofluorobenzene	101%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3.29

3

Client Sample ID:	PO-19-13	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-29	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	72.6
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M29039.D	1	05/13/10	OYA	05/12/10	OP43559	E2M1232
Run #2	2M29061.D	10	05/14/10	OYA	05/12/10	OP43559	E2M1233
Run #3	2M29054.D	100	05/14/10	OYA	05/12/10	OP43559	E2M1233
Run #4	2M29060.D	500	05/14/10	OYA	05/12/10	OP43559	E2M1233

	Initial Weight	Final Volume
Run #1	5.0 g	1.0 ml
Run #2	5.0 g	1.0 ml
Run #3	5.0 g	1.0 ml
Run #4	5.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1400	280	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	1400	280	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	1400	440	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	1400	460	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	5500	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	5500	340	ug/kg	
95-48-7	2-Methylphenol	ND	550	310	ug/kg	
	3&4-Methylphenol	ND	550	350	ug/kg	
88-75-5	2-Nitrophenol	ND	1400	290	ug/kg	
100-02-7	4-Nitrophenol	ND	2800	470	ug/kg	
87-86-5	Pentachlorophenol	ND	2800	470	ug/kg	
108-95-2	Phenol	ND	550	290	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	1400	320	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	1400	260	ug/kg	
83-32-9	Acenaphthene	313000 ^a	28000	8000	ug/kg	
208-96-8	Acenaphthylene	3460	280	88	ug/kg	
120-12-7	Anthracene	141000 ^b	2800	960	ug/kg	
56-55-3	Benzo(a)anthracene	12200	280	90	ug/kg	
50-32-8	Benzo(a)pyrene	3400	280	84	ug/kg	
205-99-2	Benzo(b)fluoranthene	4400	280	92	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1100	280	100	ug/kg	
207-08-9	Benzo(k)fluoranthene	1530	280	100	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	550	100	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	550	160	ug/kg	
91-58-7	2-Chloronaphthalene	ND	550	85	ug/kg	
106-47-8	4-Chloroaniline	ND	1400	88	ug/kg	
86-74-8	Carbazole	37700 ^b	5500	1300	ug/kg	
218-01-9	Chrysene	9550	280	93	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-13	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-29	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	72.6
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
111-91-1	bis(2-Chloroethoxy)methane	ND	550	110	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	550	83	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	550	82	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	550	83	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	550	79	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	550	74	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	550	61	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	550	120	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	550	100	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1400	70	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	660	280	94	ug/kg	
132-64-9	Dibenzofuran	266000 ^a	55000	8200	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	550	61	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	550	130	ug/kg	
84-66-2	Diethyl phthalate	ND	550	94	ug/kg	
131-11-3	Dimethyl phthalate	ND	550	97	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	550	240	ug/kg	
206-44-0	Fluoranthene	112000 ^b	2800	1200	ug/kg	
86-73-7	Fluorene	269000 ^a	28000	9000	ug/kg	
118-74-1	Hexachlorobenzene	ND	550	90	ug/kg	
87-68-3	Hexachlorobutadiene	ND	280	77	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	5500	280	ug/kg	
67-72-1	Hexachloroethane	ND	1400	77	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1170	280	96	ug/kg	
78-59-1	Isophorone	ND	550	74	ug/kg	
91-57-6	2-Methylnaphthalene	640000 ^a	55000	15000	ug/kg	
88-74-4	2-Nitroaniline	ND	1400	120	ug/kg	
99-09-2	3-Nitroaniline	ND	1400	110	ug/kg	
100-01-6	4-Nitroaniline	ND	1400	110	ug/kg	
91-20-3	Naphthalene	5890000 ^c	140000	38000	ug/kg	
98-95-3	Nitrobenzene	ND	550	80	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	550	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1400	160	ug/kg	
85-01-8	Phenanthrene	443000 ^a	28000	13000	ug/kg	
129-00-0	Pyrene	71000 ^b	2800	1100	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	550	73	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	76%	57%	0% ^d	30-109%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-19-13		
Lab Sample ID:	JA45591-29	Date Sampled:	04/30/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	72.6
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-62-2	Phenol-d5	63%	70%	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	91%	72%	0% ^d	28-125%
4165-60-0	Nitrobenzene-d5	93%	67%	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	67%	77%	0% ^d	38-107%
1718-51-0	Terphenyl-d14	73%	77%	0% ^d	31-116%

- (a) Result is from Run# 3
 (b) Result is from Run# 2
 (c) Result is from Run# 4
 (d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-6S	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-30	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	85.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168306.D	1	05/13/10	HSS	n/a	n/a	VD6789
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.8 g	10.0 ml	25.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	2500	560	ug/kg	
71-43-2	Benzene	433	250	85	ug/kg	
75-27-4	Bromodichloromethane	ND	1200	64	ug/kg	
75-25-2	Bromoform	ND	1200	38	ug/kg	
74-83-9	Bromomethane	ND	1200	100	ug/kg	
78-93-3	2-Butanone (MEK)	ND	2500	490	ug/kg	
75-15-0	Carbon disulfide	ND	1200	76	ug/kg	
56-23-5	Carbon tetrachloride	ND	1200	140	ug/kg	
108-90-7	Chlorobenzene	ND	1200	85	ug/kg	
75-00-3	Chloroethane	ND	1200	250	ug/kg	
67-66-3	Chloroform	ND	1200	79	ug/kg	
74-87-3	Chloromethane	ND	1200	41	ug/kg	
124-48-1	Dibromochloromethane	ND	1200	27	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1200	34	ug/kg	
107-06-2	1,2-Dichloroethane	ND	250	86	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1200	170	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1200	60	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1200	110	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	1200	60	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1200	32	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1200	33	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1200	24	ug/kg	
100-41-4	Ethylbenzene	268	250	93	ug/kg	
591-78-6	2-Hexanone	ND	1200	240	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	250	70	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	1200	200	ug/kg	
75-09-2	Methylene chloride	ND	1200	56	ug/kg	
100-42-5	Styrene	ND	1200	27	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1200	73	ug/kg	
127-18-4	Tetrachloroethene	ND	1200	36	ug/kg	
108-88-3	Toluene	359	250	73	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1200	32	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-24-6S	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-30	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	85.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1200	46	ug/kg	
79-01-6	Trichloroethene	ND	1200	130	ug/kg	
75-01-4	Vinyl chloride	ND	1200	44	ug/kg	
1330-20-7	Xylene (total)	1300	500	120	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	101%		65-132%
2037-26-5	Toluene-D8	95%		74-129%
460-00-4	4-Bromofluorobenzene	101%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-24-6S		
Lab Sample ID:	JA45591-30	Date Sampled:	04/29/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	85.7
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2M29040.D	1	05/13/10	OYA	05/12/10	OP43559	E2M1232
Run #2	2M29055.D	100	05/14/10	OYA	05/12/10	OP43559	E2M1233

	Initial Weight	Final Volume
Run #1	5.1 g	1.0 ml
Run #2	5.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1100	230	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	1100	230	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	1100	370	ug/kg	
105-67-9	2,4-Dimethylphenol	17700	1100	380	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	4600	280	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	4600	280	ug/kg	
95-48-7	2-Methylphenol	4380	460	260	ug/kg	
	3&4-Methylphenol	6770	460	290	ug/kg	
88-75-5	2-Nitrophenol	ND	1100	240	ug/kg	
100-02-7	4-Nitrophenol	ND	2300	390	ug/kg	
87-86-5	Pentachlorophenol	ND	2300	390	ug/kg	
108-95-2	Phenol	3210	460	240	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	1100	270	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	1100	220	ug/kg	
83-32-9	Acenaphthene	235000 ^b	23000	6600	ug/kg	
208-96-8	Acenaphthylene	75400 ^b	23000	7300	ug/kg	
120-12-7	Anthracene	252000 ^b	23000	8000	ug/kg	
56-55-3	Benzo(a)anthracene	230000 ^b	23000	7500	ug/kg	
50-32-8	Benzo(a)pyrene	180000 ^b	23000	7000	ug/kg	
205-99-2	Benzo(b)fluoranthene	205000 ^b	23000	7600	ug/kg	
191-24-2	Benzo(g,h,i)perylene	94500 ^b	23000	8500	ug/kg	
207-08-9	Benzo(k)fluoranthene	72700 ^b	23000	8600	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	460	83	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	460	130	ug/kg	
91-58-7	2-Chloronaphthalene	ND	460	71	ug/kg	
106-47-8	4-Chloroaniline	ND	1100	73	ug/kg	
86-74-8	Carbazole	22300 ^b	46000	11000	ug/kg	J
218-01-9	Chrysene	214000 ^b	23000	7700	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	460	92	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	460	69	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	460	68	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	460	69	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-24-6S	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-30	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	85.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	460	66	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	460	61	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	460	51	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	460	100	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	460	87	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1100	58	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	40800 ^b	23000	7800	ug/kg	
132-64-9	Dibenzofuran	171000 ^b	46000	6800	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	460	51	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	460	110	ug/kg	
84-66-2	Diethyl phthalate	ND	460	78	ug/kg	
131-11-3	Dimethyl phthalate	ND	460	81	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	460	200	ug/kg	
206-44-0	Fluoranthene	565000 ^b	23000	10000	ug/kg	
86-73-7	Fluorene	231000 ^b	23000	7500	ug/kg	
118-74-1	Hexachlorobenzene	ND	460	75	ug/kg	
87-68-3	Hexachlorobutadiene	ND	230	64	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	4600	230	ug/kg	
67-72-1	Hexachloroethane	ND	1100	64	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	79900 ^b	23000	7900	ug/kg	
78-59-1	Isophorone	ND	460	62	ug/kg	
91-57-6	2-Methylnaphthalene	314000 ^b	46000	13000	ug/kg	
88-74-4	2-Nitroaniline	ND	1100	100	ug/kg	
99-09-2	3-Nitroaniline	ND	1100	92	ug/kg	
100-01-6	4-Nitroaniline	ND	1100	89	ug/kg	
91-20-3	Naphthalene	1170000 ^b	23000	6200	ug/kg	
98-95-3	Nitrobenzene	ND	460	66	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	460	56	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1100	140	ug/kg	
85-01-8	Phenanthrene	916000 ^b	23000	10000	ug/kg	
129-00-0	Pyrene	467000 ^b	23000	8800	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	460	61	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	79%	0% ^c	30-109%
4165-62-2	Phenol-d5	65%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	95%	0% ^c	28-125%
4165-60-0	Nitrobenzene-d5	80%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	72%	0% ^c	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-24-6S	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-30	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	85.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	76%	0% ^c	31-116%

- (a) Elevated detection limit due to low volume of sample extracted.
(b) Result is from Run# 2
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-21-6S	Date Sampled:	04/28/10
Lab Sample ID:	JA45591-31	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	77.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D168263.D	1	05/12/10	HSS	n/a	n/a	VD6787
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.8 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	750	170	ug/kg	
71-43-2	Benzene	ND	75	25	ug/kg	
75-27-4	Bromodichloromethane	ND	370	19	ug/kg	
75-25-2	Bromoform	ND	370	11	ug/kg	
74-83-9	Bromomethane	ND	370	30	ug/kg	
78-93-3	2-Butanone (MEK)	ND	750	150	ug/kg	
75-15-0	Carbon disulfide	171	370	23	ug/kg	J
56-23-5	Carbon tetrachloride	ND	370	41	ug/kg	
108-90-7	Chlorobenzene	ND	370	25	ug/kg	
75-00-3	Chloroethane	ND	370	75	ug/kg	
67-66-3	Chloroform	ND	370	24	ug/kg	
74-87-3	Chloromethane	ND	370	12	ug/kg	
124-48-1	Dibromochloromethane	ND	370	8.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	370	10	ug/kg	
107-06-2	1,2-Dichloroethane	ND	75	26	ug/kg	
75-35-4	1,1-Dichloroethene	ND	370	49	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	370	18	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	370	33	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	370	18	ug/kg	
78-87-5	1,2-Dichloropropane	ND	370	9.7	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	370	9.9	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	370	7.2	ug/kg	
100-41-4	Ethylbenzene	40.3	75	28	ug/kg	J
591-78-6	2-Hexanone	ND	370	72	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	75	21	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	370	60	ug/kg	
75-09-2	Methylene chloride	ND	370	17	ug/kg	
100-42-5	Styrene	ND	370	8.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	370	22	ug/kg	
127-18-4	Tetrachloroethene	ND	370	11	ug/kg	
108-88-3	Toluene	ND	75	22	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	370	9.5	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-21-6S	Date Sampled:	04/28/10
Lab Sample ID:	JA45591-31	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	77.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	370	14	ug/kg	
79-01-6	Trichloroethene	ND	370	39	ug/kg	
75-01-4	Vinyl chloride	ND	370	13	ug/kg	
1330-20-7	Xylene (total)	61.5	150	35	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		67-127%
17060-07-0	1,2-Dichloroethane-D4	97%		65-132%
2037-26-5	Toluene-D8	92%		74-129%
460-00-4	4-Bromofluorobenzene	104%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-21-6S		
Lab Sample ID:	JA45591-31	Date Sampled:	04/28/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	77.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2M29038.D	1	05/13/10	OYA	05/12/10	OP43559	E2M1232
Run #2	2M29056.D	10	05/14/10	OYA	05/12/10	OP43559	E2M1233

	Initial Weight	Final Volume
Run #1	5.2 g	1.0 ml
Run #2	5.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1200	250	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	1200	250	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	1200	400	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	1200	420	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	5000	300	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	5000	300	ug/kg	
95-48-7	2-Methylphenol	ND	500	280	ug/kg	
	3&4-Methylphenol	ND	500	320	ug/kg	
88-75-5	2-Nitrophenol	ND	1200	260	ug/kg	
100-02-7	4-Nitrophenol	ND	2500	420	ug/kg	
87-86-5	Pentachlorophenol	ND	2500	430	ug/kg	
108-95-2	Phenol	ND	500	260	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	1200	290	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	1200	230	ug/kg	
83-32-9	Acenaphthene	39700 ^b	2500	720	ug/kg	
208-96-8	Acenaphthylene	650	250	80	ug/kg	
120-12-7	Anthracene	36200 ^b	2500	870	ug/kg	
56-55-3	Benzo(a)anthracene	5680	250	81	ug/kg	
50-32-8	Benzo(a)pyrene	3180	250	76	ug/kg	
205-99-2	Benzo(b)fluoranthene	3420	250	83	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1630	250	93	ug/kg	
207-08-9	Benzo(k)fluoranthene	1510	250	94	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	500	90	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	500	140	ug/kg	
91-58-7	2-Chloronaphthalene	ND	500	77	ug/kg	
106-47-8	4-Chloroaniline	ND	1200	80	ug/kg	
86-74-8	Carbazole	18400	500	120	ug/kg	
218-01-9	Chrysene	4820	250	84	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	500	100	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	500	75	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	500	74	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	500	75	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID:	PO-21-6S	Date Sampled:	04/28/10
Lab Sample ID:	JA45591-31	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	77.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	500	72	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	500	67	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	500	55	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	500	110	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	500	95	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1200	63	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	840	250	85	ug/kg	
132-64-9	Dibenzofuran	40000 ^b	5000	740	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	500	55	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	500	120	ug/kg	
84-66-2	Diethyl phthalate	ND	500	85	ug/kg	
131-11-3	Dimethyl phthalate	ND	500	88	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	500	220	ug/kg	
206-44-0	Fluoranthene	31400 ^b	2500	1100	ug/kg	
86-73-7	Fluorene	61000 ^b	2500	820	ug/kg	
118-74-1	Hexachlorobenzene	ND	500	81	ug/kg	
87-68-3	Hexachlorobutadiene	ND	250	69	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	5000	250	ug/kg	
67-72-1	Hexachloroethane	ND	1200	69	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1530	250	86	ug/kg	
78-59-1	Isophorone	ND	500	67	ug/kg	
91-57-6	2-Methylnaphthalene	1770	500	140	ug/kg	
88-74-4	2-Nitroaniline	ND	1200	110	ug/kg	
99-09-2	3-Nitroaniline	ND	1200	100	ug/kg	
100-01-6	4-Nitroaniline	ND	1200	97	ug/kg	
91-20-3	Naphthalene	4840	250	68	ug/kg	
98-95-3	Nitrobenzene	ND	500	72	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	500	61	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1200	150	ug/kg	
85-01-8	Phenanthrene	91700 ^b	2500	1100	ug/kg	
129-00-0	Pyrene	23100	250	96	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	500	66	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	89%	56%	30-109%
4165-62-2	Phenol-d5	69%	67%	28-108%
118-79-6	2,4,6-Tribromophenol	98%	76%	28-125%
4165-60-0	Nitrobenzene-d5	82%	62%	28-113%
321-60-8	2-Fluorobiphenyl	78%	76%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-21-6S		
Lab Sample ID:	JA45591-31	Date Sampled:	04/28/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	77.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	82%	85%	31-116%

- (a) Elevated detection limit due to low volume of sample extracted.
(b) Result is from Run# 2

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-19-3	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-32	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	79.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168304.D	1	05/13/10	HSS	n/a	n/a	VD6789
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.4 g	10.0 ml	1.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	73000	16000	ug/kg	
71-43-2	Benzene	ND	7300	2500	ug/kg	
75-27-4	Bromodichloromethane	ND	37000	1900	ug/kg	
75-25-2	Bromoform	ND	37000	1100	ug/kg	
74-83-9	Bromomethane	ND	37000	3000	ug/kg	
78-93-3	2-Butanone (MEK)	ND	73000	14000	ug/kg	
75-15-0	Carbon disulfide	ND	37000	2200	ug/kg	
56-23-5	Carbon tetrachloride	ND	37000	4100	ug/kg	
108-90-7	Chlorobenzene	ND	37000	2500	ug/kg	
75-00-3	Chloroethane	ND	37000	7300	ug/kg	
67-66-3	Chloroform	ND	37000	2300	ug/kg	
74-87-3	Chloromethane	ND	37000	1200	ug/kg	
124-48-1	Dibromochloromethane	ND	37000	800	ug/kg	
75-34-3	1,1-Dichloroethane	ND	37000	1000	ug/kg	
107-06-2	1,2-Dichloroethane	ND	7300	2500	ug/kg	
75-35-4	1,1-Dichloroethene	ND	37000	4800	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	37000	1700	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	37000	3300	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	37000	1700	ug/kg	
78-87-5	1,2-Dichloropropane	ND	37000	950	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	37000	970	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	37000	700	ug/kg	
100-41-4	Ethylbenzene	127000	7300	2700	ug/kg	
591-78-6	2-Hexanone	ND	37000	7000	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	7300	2100	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	37000	5900	ug/kg	
75-09-2	Methylene chloride	ND	37000	1600	ug/kg	
100-42-5	Styrene	ND	37000	780	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	37000	2100	ug/kg	
127-18-4	Tetrachloroethene	ND	37000	1100	ug/kg	
108-88-3	Toluene	12900	7300	2100	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	37000	940	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-19-3	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-32	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	79.7
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	37000	1400	ug/kg	
79-01-6	Trichloroethene	ND	37000	3800	ug/kg	
75-01-4	Vinyl chloride	ND	37000	1300	ug/kg	
1330-20-7	Xylene (total)	640000	15000	3400	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		67-127%
17060-07-0	1,2-Dichloroethane-D4	101%		65-132%
2037-26-5	Toluene-D8	92%		74-129%
460-00-4	4-Bromofluorobenzene	100%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-3	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-32	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	79.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2M29034.D	1	05/13/10	OYA	05/12/10	OP43559	E2M1232
Run #2	2M29057.D	10	05/14/10	OYA	05/12/10	OP43559	E2M1233
Run #3	2M29043.D	100	05/13/10	OYA	05/12/10	OP43559	E2M1232

	Initial Weight	Final Volume
Run #1	5.1 g	1.0 ml
Run #2	5.1 g	1.0 ml
Run #3	5.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1200	250	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	1200	250	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	1200	400	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	1200	410	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	4900	300	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	4900	300	ug/kg	
95-48-7	2-Methylphenol	ND	490	280	ug/kg	
	3&4-Methylphenol	ND	490	310	ug/kg	
88-75-5	2-Nitrophenol	ND	1200	260	ug/kg	
100-02-7	4-Nitrophenol	ND	2500	420	ug/kg	
87-86-5	Pentachlorophenol	ND	2500	420	ug/kg	
108-95-2	Phenol	ND	490	260	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	1200	290	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	1200	230	ug/kg	
83-32-9	Acenaphthene	51900 ^b	2500	710	ug/kg	
208-96-8	Acenaphthylene	701	250	79	ug/kg	
120-12-7	Anthracene	24300	250	86	ug/kg	
56-55-3	Benzo(a)anthracene	4920	250	80	ug/kg	
50-32-8	Benzo(a)pyrene	2500	250	75	ug/kg	
205-99-2	Benzo(b)fluoranthene	2950	250	82	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1300	250	92	ug/kg	
207-08-9	Benzo(k)fluoranthene	1760	250	93	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	490	89	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	490	140	ug/kg	
91-58-7	2-Chloronaphthalene	ND	490	76	ug/kg	
106-47-8	4-Chloroaniline	ND	1200	79	ug/kg	
86-74-8	Carbazole	8600	490	110	ug/kg	
218-01-9	Chrysene	4710	250	83	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	490	99	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	490	74	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-3	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-32	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	79.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	490	73	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	490	74	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	490	71	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	490	66	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	490	55	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	490	110	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	490	94	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1200	62	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	642	250	84	ug/kg	
132-64-9	Dibenzofuran	49900 ^b	4900	730	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	490	55	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	490	120	ug/kg	
84-66-2	Diethyl phthalate	ND	490	84	ug/kg	
131-11-3	Dimethyl phthalate	ND	490	87	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	490	220	ug/kg	
206-44-0	Fluoranthene	28600 ^b	2500	1100	ug/kg	
86-73-7	Fluorene	49500 ^b	2500	810	ug/kg	
118-74-1	Hexachlorobenzene	ND	490	80	ug/kg	
87-68-3	Hexachlorobutadiene	ND	250	68	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	4900	250	ug/kg	
67-72-1	Hexachloroethane	ND	1200	68	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1200	250	85	ug/kg	
78-59-1	Isophorone	ND	490	66	ug/kg	
91-57-6	2-Methylnaphthalene	84500 ^b	4900	1400	ug/kg	
88-74-4	2-Nitroaniline	ND	1200	110	ug/kg	
99-09-2	3-Nitroaniline	ND	1200	98	ug/kg	
100-01-6	4-Nitroaniline	ND	1200	96	ug/kg	
91-20-3	Naphthalene	1070000 ^c	25000	6700	ug/kg	
98-95-3	Nitrobenzene	ND	490	71	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	490	60	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1200	150	ug/kg	
85-01-8	Phenanthrene	98100 ^b	2500	1100	ug/kg	
129-00-0	Pyrene	19700	250	94	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	490	65	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	79%	60%	0% ^d	30-109%
4165-62-2	Phenol-d5	62%	58%	0% ^d	28-108%
118-79-6	2,4,6-Tribromophenol	82%	62%	0% ^d	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	PO-19-3	Date Sampled:	04/29/10
Lab Sample ID:	JA45591-32	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	79.7
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	74%	58%	0% ^d	28-113%
321-60-8	2-Fluorobiphenyl	70%	68%	0% ^d	38-107%
1718-51-0	Terphenyl-d14	73%	70%	0%	31-116%

(a) Elevated detection limit due to low volume of sample extracted.

(b) Result is from Run# 2

(c) Result is from Run# 3

(d) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-19-11	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-33	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	68.5
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168330.D	1	05/14/10	HSS	n/a	n/a	VD6790
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	50.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1900	430	ug/kg	
71-43-2	Benzene	10300	190	65	ug/kg	
75-27-4	Bromodichloromethane	ND	960	49	ug/kg	
75-25-2	Bromoform	ND	960	29	ug/kg	
74-83-9	Bromomethane	ND	960	78	ug/kg	
78-93-3	2-Butanone (MEK)	ND	1900	380	ug/kg	
75-15-0	Carbon disulfide	ND	960	59	ug/kg	
56-23-5	Carbon tetrachloride	ND	960	110	ug/kg	
108-90-7	Chlorobenzene	ND	960	65	ug/kg	
75-00-3	Chloroethane	ND	960	190	ug/kg	
67-66-3	Chloroform	ND	960	61	ug/kg	
74-87-3	Chloromethane	ND	960	32	ug/kg	
124-48-1	Dibromochloromethane	ND	960	21	ug/kg	
75-34-3	1,1-Dichloroethane	ND	960	26	ug/kg	
107-06-2	1,2-Dichloroethane	ND	190	66	ug/kg	
75-35-4	1,1-Dichloroethene	ND	960	130	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	960	46	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	960	86	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	960	46	ug/kg	
78-87-5	1,2-Dichloropropane	ND	960	25	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	960	26	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	960	18	ug/kg	
100-41-4	Ethylbenzene	2140	190	71	ug/kg	
591-78-6	2-Hexanone	ND	960	180	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	190	54	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	960	160	ug/kg	
75-09-2	Methylene chloride	ND	960	43	ug/kg	
100-42-5	Styrene	ND	960	21	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	960	56	ug/kg	
127-18-4	Tetrachloroethene	ND	960	28	ug/kg	
108-88-3	Toluene	2750	190	56	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	960	25	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-19-11	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-33	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	68.5
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	960	36	ug/kg	
79-01-6	Trichloroethene	ND	960	100	ug/kg	
75-01-4	Vinyl chloride	ND	960	34	ug/kg	
1330-20-7	Xylene (total)	8750	380	90	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		67-127%
17060-07-0	1,2-Dichloroethane-D4	104%		65-132%
2037-26-5	Toluene-D8	92%		74-129%
460-00-4	4-Bromofluorobenzene	102%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-19-11		
Lab Sample ID:	JA45591-33	Date Sampled:	04/30/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	68.5
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2M29033.D	1	05/13/10	OYA	05/12/10	OP43559	E2M1232
Run #2							

	Initial Weight	Final Volume
Run #1	5.3 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	1400	280	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	1400	280	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	1400	440	ug/kg	
105-67-9	2,4-Dimethylphenol	1100	1400	460	ug/kg	J
51-28-5	2,4-Dinitrophenol	ND	5500	340	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	5500	340	ug/kg	
95-48-7	2-Methylphenol	ND	550	310	ug/kg	
	3&4-Methylphenol	ND	550	350	ug/kg	
88-75-5	2-Nitrophenol	ND	1400	290	ug/kg	
100-02-7	4-Nitrophenol	ND	2800	470	ug/kg	
87-86-5	Pentachlorophenol	ND	2800	470	ug/kg	
108-95-2	Phenol	ND	550	290	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	1400	320	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	1400	260	ug/kg	
83-32-9	Acenaphthene	278	280	80	ug/kg	J
208-96-8	Acenaphthylene	ND	280	88	ug/kg	
120-12-7	Anthracene	145	280	96	ug/kg	J
56-55-3	Benzo(a)anthracene	ND	280	90	ug/kg	
50-32-8	Benzo(a)pyrene	ND	280	84	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	280	92	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	280	100	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	280	100	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	550	100	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	550	160	ug/kg	
91-58-7	2-Chloronaphthalene	ND	550	85	ug/kg	
106-47-8	4-Chloroaniline	ND	1400	88	ug/kg	
86-74-8	Carbazole	ND	550	130	ug/kg	
218-01-9	Chrysene	ND	280	93	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	550	110	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	550	83	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	550	82	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	550	83	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-11	Date Sampled:	04/30/10
Lab Sample ID:	JA45591-33	Date Received:	04/30/10
Matrix:	SO - Soil	Percent Solids:	68.5
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	550	79	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	550	74	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	550	61	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	550	120	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	550	100	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	1400	70	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	280	94	ug/kg	
132-64-9	Dibenzofuran	281	550	82	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	550	61	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	550	130	ug/kg	
84-66-2	Diethyl phthalate	ND	550	94	ug/kg	
131-11-3	Dimethyl phthalate	ND	550	97	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	550	240	ug/kg	
206-44-0	Fluoranthene	147	280	120	ug/kg	J
86-73-7	Fluorene	239	280	90	ug/kg	J
118-74-1	Hexachlorobenzene	ND	550	90	ug/kg	
87-68-3	Hexachlorobutadiene	ND	280	77	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	5500	280	ug/kg	
67-72-1	Hexachloroethane	ND	1400	77	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	280	96	ug/kg	
78-59-1	Isophorone	ND	550	74	ug/kg	
91-57-6	2-Methylnaphthalene	587	550	150	ug/kg	
88-74-4	2-Nitroaniline	ND	1400	120	ug/kg	
99-09-2	3-Nitroaniline	ND	1400	110	ug/kg	
100-01-6	4-Nitroaniline	ND	1400	110	ug/kg	
91-20-3	Naphthalene	4000	280	75	ug/kg	
98-95-3	Nitrobenzene	ND	550	80	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	550	67	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	1400	160	ug/kg	
85-01-8	Phenanthrene	579	280	130	ug/kg	
129-00-0	Pyrene	ND	280	110	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	550	73	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	82%		30-109%
4165-62-2	Phenol-d5	63%		28-108%
118-79-6	2,4,6-Tribromophenol	86%		28-125%
4165-60-0	Nitrobenzene-d5	76%		28-113%
321-60-8	2-Fluorobiphenyl	75%		38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-19-11		
Lab Sample ID:	JA45591-33	Date Sampled:	04/30/10
Matrix:	SO - Soil	Date Received:	04/30/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	68.5
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	83%		31-116%

(a) Elevated detection limit due to low volume of sample extracted.

ND = Not detected	MDL - Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FEEDBACK# 14448212
Accutest Quote #
Bottle Order Control #
Accutest Job # JA45591

Client / Reporting Information			Project Information			Requested Analysis (see TEST CODE sheet)										Matrix Codes	
Company Name: FLS			Project Name: Parcel 8 - Post Injection (Pilot)			8260 TEL 8270 TEL, 8015 DRO 8015 GARD 8260 TEL 8270 TEL 8015 GARD 8015 DRO LAB USE ONLY EXBS, 406 EXSD 7068 1965 1966										DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank	
Street Address: 158 W 29th St.			Street: 47th Rd / Ctr Blvd.														
City: NY State: NY Zip: 10001			City: LIC State: NY														
Project Contact: S. Panter E-mail: (212) 675-3225			Project #: 10011-017-2 Street Address:														
Sampler(s) Name(s): KB, BN Phone #: (212) 675-3225			Project Manager: S. Panter Attention:														
Field ID / Point of Collection			Collection			Number of preserved bottles										LAB USE ONLY	
Accutest Sample #	Field ID / Point of Collection	MEOH/DI Val #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	HNO2	DI Water	MEOH	ENCORE		
1	P0-24-35		4/27/10	1035		SO	4						X			X	EXBS, 406
2	" - 45			1105													
3	" - 25			1115													
4	" - 70			1145													EXSD
5	" - 30			1315													7068
6	" - 85			1354													1965
7	" - 55			1432													1966
8	" - 50			1505													
9	" - 60			1535													
10	" - 40		4/20/10	1135		SO	4						X				
11	" - 57			1155		GW	9	X					X			X	
12	" - 56			1450		GW	9	X					X			X	
Turnaround Time (Business days)			Approved By (Accutest PM): / Date:			Data Deliverable Information										Comments / Special Instructions	
☐ Std. 15 Business Days ☐ Std. 10 Business Days (by Contract only) ☐ 10 Day RUSH ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY Emergency & Rush T/A data available VIA Lablink						☐ Commercial "A" (Level 1) ☐ Commercial "B" (Level 2) ☐ FULLT1 (Level 3+4) ☐ NJ Reduced ☐ Commercial "C" Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data											
Sample Custody must be documented below each time samples change possession, including courier delivery.																	
Relinquished by Sampler: 1 <i>[Signature]</i> Date Time: 4/30/10			Received By: 1 <i>[Signature]</i>			Relinquished by: 2 <i>[Signature]</i> Date Time: 4/30/10			Received By: 2 <i>[Signature]</i>								
Relinquished by Sampler: 3			Received By: 3			Relinquished by: 4			Received By: 4								
Relinquished by: 5			Received By: 5			Custody Sign: <i>[Signature]</i>			☐ Intact ☐ Not intact			Preserved where applicable: ☐			On Ice: ☒ Cooling Temp: 5.3/5.5/6.0°C		

JA45591: Chain of Custody

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50

2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

[illegible]

4.1

JA45591: Chain of Custody

Page 2 of 8



PAGE 3 OF B4

FED-EX Tracking #		Bottle Order Control #	
Accutest Quote #		Accutest Job #	
Requested Analysis (see TEST CODE sheet)			Matrix Codes
626076L 627076L, 6015 PRO 6015 PRO			DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OL - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank
X X X			LAB USE ONLY
Comments / Special Instructions			
Laboratory A Laboratory B			
Raw data			
Shipping courier delivery.			
Date/Time: 1/30/11 1:25		Received By: [Signature]	
Date/Time:		Received By: 4	
Intact	Preserved where applicable	On Ice	Cooler Temp.
Not intact	☐	☐	

4.1

Page 3 of 8



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA45591

Client: FLS-NY

Immediate Client Services Action Required: Yes

Date / Time Received: 4/30/2010 1825

Delivery Method: Other Courier

Client Service Action Required at Login: No

Project: PARCEL 8

No. Coolers: 3

Airbill #'s:

Cooler Security

Y or N

Y or N

1. Custody Seals Present:	☐	☒	3. COC Present:	☒	☐
2. Custody Seals Intact:	☒	☐	4. Smpl Dates/Time OK	☒	☐

Cooler Temperature

Y or N

1. Temp criteria achieved:	☒	☐
2. Cooler temp verification:	Infrared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservation

Y

N

N/A

1. Trip Blank present / cooler:	☐	☐	☐
2. Trip Blank listed on COC:	☐	☐	☐
3. Samples preserved properly:	☒	☐	
4. VOCs headspace free:	☐	☐	☐

Comments

1. -21 NO DRO VOL REC'D - NOTHING TO ALIQUOT FROM
2. -22 NO 8270 VOL REC'D
3. -30, -31, -32, -33 ADDED TO COC - FULL SOIL SAMPLES

Sample Integrity - Documentation

Y or N

1. Sample labels present on bottles:	☒	☐
2. Container labeling complete:	☒	☐
3. Sample container label / COC agree:	☒	☐

Sample Integrity - Condition

Y or N

1. Sample recvd within HT:	☒	☐
2. All containers accounted for:	☐	☒
3. Condition of sample:	Intact	

Sample Integrity - Instructions

Y N N/A

1. Analysis requested is clear:	☒	☐	
2. Bottles received for unspecified tests	☒	☐	
3. Sufficient volume recvd for analysis:	☒	☐	
4. Compositing instructions clear:	☐	☐	☐
5. Filtering instructions clear:	☐	☐	☐

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JA45591: Chain of Custody

Page 5 of 8



Sample Receipt Summary - Problem Resolution

Accutest Job Number: JA45591

CSR: Tammy McCloskey

Response Date

5/3/2010

Response: FLS notified regarding -21, -22, -30, -31, -32, -33 please proceed as noted.

Turn around time is 14 days
Deliverables is NYASPB

-21 cancel GRO analysis per Steve Panter

On soils please put all GRO and DRO samples on hold except JA45591-1, -16, -24 and -27

All soil B8015DRO and AB8270TCL should be homogenized prior to analysis.

Accutest Laboratories
V: 732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JA45591: Chain of Custody
Page 6 of 8

Lab Name: Accutest NY Page of

Received by (Print Name): Timothy Hudson Log-in Date:

Received by (Signature): [Signature]

Case Number:	NYSDEC SAMPLE #	CORRESPONDING		REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
		SAMPLE TAG #	ASSIGNED LAB #	
Case Number:	N/A			
ISDG Number:				
ISAS Number:	N/A			
REMARKS:				
Custody Seal(s)	Present/Absent*		JA45591	- 1
Intact/Broken				- 2
Custody Seal Numbers:				- 3
Chain-of-Custody Records	Present/Absent*			- 4
Contract Lab Sample Inform.				- 5
Sheet (CLSIS)				- 6
Airbill				- 7
Airbill No.:				- 8
Sample Tags	Present/Absent*			- 9
Sample Tag Nos.	Listed/Not Listed on Chain-of-Custody			- 10
Sample Condition	Intact/Broken*/Leaking			- 11
Does Information on custody rec., CLSIS, & sample tags agree				- 12
Date received at Lab:				- 13
Time Received:				- 14
Do aqueous VOC vials re headspace?	Yes/No*			- 15
Are preserved voc samples fully immersed in preservative?	Yes/No*			- 16
Sample Transfer				- 17
Location: a #:				- 18
				- 19
				- 20
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JA45591: Chain of Custody

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Contract BTR and attach record of resolution

Reviewed By:

Logbook No.: N/A

Logbook Page No.: N/A

Form: SM10-02
Rev. Date: 8/21/03

Job Change Order: JA45591_5/11/2010

Requested Date:	5/11/2010	Received Date:	4/30/2010
Account Name:	Fleming-Lee Shue, Inc.	Due Date:	5/14/2010
Project Description:	Queens West, Parcel 8, 47th Road, Long Island City,	Deliverable:	NYASPB
CSR:	TM	TAT (Days):	14

Sample #: JA45591-31
Change: please revise sample ID to PO-21-6S

PO-24-6S

Above Changes

Kyle Boretsky

Date: 5/11/2010

JA45591: Chain of Custody
Page 8 of 8

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1



07/02/10

Technical Report for

Fleming-Lee Shue, Inc.

Queens West, Parcel 8, 47th Road, Long Island City, NY

Post-Pilot, 10011-017-4

Accutest Job Number: JA46609

Sampling Dates: 05/13/10 - 05/14/10

Report to:

Fleming-Lee Shue, Inc.

steve@flemingleeshue.com

ATTN: Steve Panter

Total number of pages in report: **67**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP Ops, Laboratory Director

Client Service contact: Tammy McCloskey 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Fleming-Lee Shue, Inc.

Job No: JA46609

Queens West, Parcel 8, 47th Road, Long Island City, NY
Project No: Post-Pilot, 10011-017-4

Sample Number	Collected			Received	Matrix		Client Sample ID
	Date	Time	By		Code	Type	
JA46609-1	05/13/10	09:11	KB	05/14/10	SO	Soil	PO-11-7
JA46609-2	05/13/10	10:30	KB	05/14/10	SO	Soil	PO-11-8
JA46609-3	05/13/10	10:58	KB	05/14/10	SO	Soil	PO-11-15
JA46609-4	05/13/10	11:37	KB	05/14/10	SO	Soil	PO-11-16
JA46609-5	05/13/10	12:03	KB	05/14/10	SO	Soil	PO-11-2
JA46609-6	05/13/10	13:40	KB	05/14/10	SO	Soil	PO-11-4
JA46609-7	05/13/10	14:25	KB	05/14/10	SO	Soil	PO-11-13
JA46609-8	05/13/10	15:06	KB	05/14/10	SO	Soil	PO-11-14
JA46609-9	05/14/10	08:20	KB	05/14/10	SO	Soil	PO-11-5
JA46609-10	05/14/10	09:27	KB	05/14/10	SO	Soil	PO-11-6
JA46609-11	05/14/10	11:36	KB	05/14/10	SO	Soil	PO-11-12

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Fleming-Lee Shue, Inc.

Job No JA46609

Site: Queens West, Parcel 8, 47th Road, Long Island City, NY

Report Date 6/8/2010 2:46:19 PM

On 05/14/2010, 11 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 2.4 C. Samples were intact and properly preserved, unless noted below. An Accutest Job Number of JA46609 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO

Batch ID: VD6799

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA46521-10MS, JA46521-10MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JA46609-6: Diluted due to high concentration of target compound.

Matrix: SO

Batch ID: VD6800

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA46609-8MS, JA46609-8MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Tetrachloroethene are outside control limits. High percent recoveries and no associated positive found in the QC batch.
- .
- JA46609-10: Diluted due to high concentration of non-target compound.
- JA46609-8: Diluted due to high concentration of non-target compound.
- JA46609-9: Diluted due to high concentration of non-target compound.

Matrix: SO

Batch ID: VD6801

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA46656-1MS, JA46656-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MSD for Bromomethane, Chloroethane are outside control limits for sample JA46656-1MSD. Outside control limits due to matrix interference.
- JA46609-1: Diluted due to high concentration of non-target compound.
- JA46609-2: Diluted due to high concentration of non-target compound.

Matrix: SO

Batch ID: VD6808

- All samples were analyzed within the recommended method holding time.
- Sample(s) JA46799-2MS, JA46799-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO

Batch ID: VS5395

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Volatiles by GCMS By Method SW846 8260B

Matrix: SO

Batch ID: VS5395

- Sample(s) JA46388-24MS, JA46388-24MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 1,1,2,2-Tetrachloroethane, Acetone are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 1,1,2,2-Tetrachloroethane, Acetone, Trichloroethene are outside control limits. Outside control limits due to matrix interference.
- JA46609-4: Diluted due to high concentration of non-target compound.
- JA46388-24MSD for Dibromofluoromethane: Outside control limits due to matrix interference.
- JA46388-24MS for Dibromofluoromethane: Outside control limits due to matrix interference.

Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP43611

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA46559-1MS, JA46559-1MSD were used as the QC samples indicated.
- RPD(s) for MSD for Naphthalene are outside control limits for sample OP43611-MSD. Outside of in house control limits.
- JA46609-6 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46609-7 for Terphenyl-d14: Outside control limits due to dilution.
- JA46609-6 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA46609-7 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46609-6 for Phenol-d5: Outside control limits due to dilution.
- JA46609-6 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46609-7 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46609-7 for Phenol-d5: Outside control limits due to dilution.
- JA46609-7 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA46609-7 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46609-7 for Terphenyl-d14: Outside control limits due to dilution.
- JA46609-5 for Phenol-d5: Outside control limits due to dilution.
- JA46609-11 for Terphenyl-d14: Outside control limits due to dilution.
- JA46609-11 for Phenol-d5: Outside control limits due to dilution.
- JA46609-11 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA46609-11 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46609-11 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA46609-7 for Phenol-d5: Outside control limits due to dilution.
- JA46609-5 for Terphenyl-d14: Outside control limits due to dilution.
- JA46609-7 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA46609-5 for Nitrobenzene-d5: Outside control limits due to dilution.
- JA46609-5 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46609-5 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA46609-7 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA46609-5 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JA46609-7 for Terphenyl-d14: Outside control limits due to matrix interference.
- JA46609-7 for 2,4,6-Tribromophenol: Outside control limits due to matrix interference.
- JA46609-7 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JA46609-7 for 2-Fluorophenol: Outside control limits due to dilution.
- JA46609-11 for 2,4,6-Tribromophenol: Outside control limits due to dilution.

Matrix: SO

Batch ID: OP43803

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JA47435-1MS, JA47435-1MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Butyl benzyl phthalate are outside control limits. Outside of in house control limits.
- Matrix Spike Recovery(s) for 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2-Chlorophenol, 2-Nitrophenol, 3&4-Methylphenol, 4-Chloro-3-methyl phenol, bis(2-Chloroethyl)ether, Pentachlorophenol, Phenol are outside control limits. Outside control limits due to matrix interference.

Extractables by GCMS By Method SW846 8270C

Matrix: SO

Batch ID: OP43803

- Matrix Spike Duplicate Recovery(s) for 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2-Chlorophenol, 2-Nitrophenol, 4-Chloro-3-methyl phenol, 4-Nitrophenol, bis(2-Chloroethyl)ether, bis(2-Chloroisopropyl)ether, Nitrobenzene, Pentachlorophenol are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for 1,2-Dichlorobenzene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2-Chlorophenol, 2-Nitrophenol, 4-Nitrophenol, bis(2-Chloroisopropyl)ether, Nitrobenzene, Pentachlorophenol, Phenol are outside control limits for sample OP43803-MSD. Probable cause due to sample homogeneity.
- OP43803-MSD for 2-Fluorophenol: Outside control limits due to matrix interference, confirmed by MS/MSD.
- OP43803-MSD for Nitrobenzene-d5: Outside control limits due to matrix interference, confirmed by MS/MSD.
- OP43803-MSD for 2,4,6-Tribromophenol: Outside control limits due to matrix interference, confirmed by MS/MSD.
- OP43803-MS for 2,4,6-Tribromophenol: Outside control limits due to matrix interference, confirmed by MS/MSD.
- OP43803-MS for 2-Fluorophenol: Outside control limits due to matrix interference, confirmed by MS/MSD.

Matrix: SO

Batch ID: OP43835

- The data for SW846 8270C meets quality control requirements.
- The following samples were extracted outside of holding time for method SW846 8270C: JA46609-9 Original sample prep within holding time.
- JA46609-9: Confirmation run.

Wet Chemistry By Method SM18 2540G

Matrix: SO

Batch ID: GN37898

- The data for SM18 2540G meets quality control requirements.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover



Sample Results

Report of Analysis

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-11-7	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-1	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	74.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168586.D	1	05/20/10	HSS	n/a	n/a	VD6801
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.9 g	5.0 ml	50.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1700	390	ug/kg	
71-43-2	Benzene	ND	170	59	ug/kg	
75-27-4	Bromodichloromethane	ND	870	44	ug/kg	
75-25-2	Bromoform	ND	870	26	ug/kg	
74-83-9	Bromomethane	ND	870	70	ug/kg	
78-93-3	2-Butanone (MEK)	ND	1700	340	ug/kg	
75-15-0	Carbon disulfide	ND	870	53	ug/kg	
56-23-5	Carbon tetrachloride	ND	870	96	ug/kg	
108-90-7	Chlorobenzene	ND	870	59	ug/kg	
75-00-3	Chloroethane	ND	870	170	ug/kg	
67-66-3	Chloroform	ND	870	55	ug/kg	
74-87-3	Chloromethane	ND	870	29	ug/kg	
124-48-1	Dibromochloromethane	ND	870	19	ug/kg	
75-34-3	1,1-Dichloroethane	ND	870	24	ug/kg	
107-06-2	1,2-Dichloroethane	ND	170	60	ug/kg	
75-35-4	1,1-Dichloroethene	ND	870	110	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	870	41	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	870	78	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	870	41	ug/kg	
78-87-5	1,2-Dichloropropane	ND	870	22	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	870	23	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	870	17	ug/kg	
100-41-4	Ethylbenzene	3150	170	64	ug/kg	
591-78-6	2-Hexanone	ND	870	170	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	170	49	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	870	140	ug/kg	
75-09-2	Methylene chloride	ND	870	39	ug/kg	
100-42-5	Styrene	ND	870	19	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	870	51	ug/kg	
127-18-4	Tetrachloroethene	ND	870	25	ug/kg	
108-88-3	Toluene	ND	170	51	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	870	22	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-11-7	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-1	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	74.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	870	32	ug/kg	
79-01-6	Trichloroethene	ND	870	91	ug/kg	
75-01-4	Vinyl chloride	ND	870	31	ug/kg	
1330-20-7	Xylene (total)	2250	350	81	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	89%		65-132%
2037-26-5	Toluene-D8	101%		74-129%
460-00-4	4-Bromofluorobenzene	106%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-11-7		
Lab Sample ID:	JA46609-1	Date Sampled:	05/13/10
Matrix:	SO - Soil	Date Received:	05/14/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	74.0
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19833.D	1	05/28/10	KLS	05/15/10	OP43611	E3M848
Run #2	3M19852.D	20	05/28/10	KLS	05/15/10	OP43611	E3M850

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	39	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	62	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	770	47	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	770	47	ug/kg	
95-48-7	2-Methylphenol	ND	77	44	ug/kg	
	3&4-Methylphenol	ND	77	49	ug/kg	
88-75-5	2-Nitrophenol	ND	190	41	ug/kg	
100-02-7	4-Nitrophenol	ND	390	65	ug/kg	
87-86-5	Pentachlorophenol	ND	390	66	ug/kg	
108-95-2	Phenol	ND	77	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	45	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	36	ug/kg	
83-32-9	Acenaphthene	18800 ^a	770	220	ug/kg	
208-96-8	Acenaphthylene	135	39	12	ug/kg	
120-12-7	Anthracene	7910 ^a	770	270	ug/kg	
56-55-3	Benzo(a)anthracene	1300	39	13	ug/kg	
50-32-8	Benzo(a)pyrene	800	39	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	580	39	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	349	39	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	436	39	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	77	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	77	22	ug/kg	
91-58-7	2-Chloronaphthalene	ND	77	12	ug/kg	
106-47-8	4-Chloroaniline	ND	190	12	ug/kg	
86-74-8	Carbazole	2290	77	18	ug/kg	
218-01-9	Chrysene	1210	39	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	77	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	77	12	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	77	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	77	12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-7	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-1	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	74.0
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	77	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	77	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	77	8.6	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	77	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	77	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	9.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	125	39	13	ug/kg	
132-64-9	Dibenzofuran	15900 ^a	1500	230	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	77	8.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	77	19	ug/kg	
84-66-2	Diethyl phthalate	ND	77	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	77	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	92.0	77	34	ug/kg	
206-44-0	Fluoranthene	9160 ^a	770	340	ug/kg	
86-73-7	Fluorene	13700 ^a	770	250	ug/kg	
118-74-1	Hexachlorobenzene	ND	77	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	770	39	ug/kg	
67-72-1	Hexachloroethane	ND	190	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	318	39	13	ug/kg	
78-59-1	Isophorone	ND	77	10	ug/kg	
91-57-6	2-Methylnaphthalene	134	77	22	ug/kg	
88-74-4	2-Nitroaniline	ND	190	17	ug/kg	
99-09-2	3-Nitroaniline	ND	190	15	ug/kg	
100-01-6	4-Nitroaniline	ND	190	15	ug/kg	
91-20-3	Naphthalene	5500 ^a	770	210	ug/kg	
98-95-3	Nitrobenzene	ND	77	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	77	9.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	23	ug/kg	
85-01-8	Phenanthrene	32300 ^a	770	350	ug/kg	
129-00-0	Pyrene	6380 ^a	770	300	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	77	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	42%	46%	30-109%
4165-62-2	Phenol-d5	46%	58%	28-108%
118-79-6	2,4,6-Tribromophenol	50%	56%	28-125%
4165-60-0	Nitrobenzene-d5	40%	63%	28-113%
321-60-8	2-Fluorobiphenyl	43%	65%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-7		
Lab Sample ID:	JA46609-1	Date Sampled:	05/13/10
Matrix:	SO - Soil	Date Received:	05/14/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	74.0
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	56%	81%	31-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-11-8	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-2	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	75.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168585.D	1	05/20/10	HSS	n/a	n/a	VD6801
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	820	180	ug/kg	
71-43-2	Benzene	ND	82	28	ug/kg	
75-27-4	Bromodichloromethane	ND	410	21	ug/kg	
75-25-2	Bromoform	ND	410	12	ug/kg	
74-83-9	Bromomethane	ND	410	33	ug/kg	
78-93-3	2-Butanone (MEK)	ND	820	160	ug/kg	
75-15-0	Carbon disulfide	ND	410	25	ug/kg	
56-23-5	Carbon tetrachloride	ND	410	45	ug/kg	
108-90-7	Chlorobenzene	ND	410	28	ug/kg	
75-00-3	Chloroethane	ND	410	82	ug/kg	
67-66-3	Chloroform	ND	410	26	ug/kg	
74-87-3	Chloromethane	ND	410	14	ug/kg	
124-48-1	Dibromochloromethane	ND	410	9.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	410	11	ug/kg	
107-06-2	1,2-Dichloroethane	ND	82	28	ug/kg	
75-35-4	1,1-Dichloroethene	ND	410	54	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	410	20	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	410	37	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	410	20	ug/kg	
78-87-5	1,2-Dichloropropane	ND	410	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	410	11	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	410	7.9	ug/kg	
100-41-4	Ethylbenzene	32.1	82	30	ug/kg	J
591-78-6	2-Hexanone	ND	410	79	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	82	23	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	410	66	ug/kg	
75-09-2	Methylene chloride	ND	410	18	ug/kg	
100-42-5	Styrene	ND	410	8.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	410	24	ug/kg	
127-18-4	Tetrachloroethene	ND	410	12	ug/kg	
108-88-3	Toluene	ND	82	24	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	410	10	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-11-8	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-2	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	75.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	410	15	ug/kg	
79-01-6	Trichloroethene	ND	410	43	ug/kg	
75-01-4	Vinyl chloride	ND	410	15	ug/kg	
1330-20-7	Xylene (total)	ND	160	38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		67-127%
17060-07-0	1,2-Dichloroethane-D4	88%		65-132%
2037-26-5	Toluene-D8	103%		74-129%
460-00-4	4-Bromofluorobenzene	109%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-8		
Lab Sample ID:	JA46609-2	Date Sampled:	05/13/10
Matrix:	SO - Soil	Date Received:	05/14/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	75.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19827.D	1	05/27/10	KLS	05/15/10	OP43611	E3M848
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	38	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	61	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	63	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	750	46	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	750	46	ug/kg	
95-48-7	2-Methylphenol	ND	75	43	ug/kg	
	3&4-Methylphenol	ND	75	48	ug/kg	
88-75-5	2-Nitrophenol	ND	190	40	ug/kg	
100-02-7	4-Nitrophenol	ND	380	64	ug/kg	
87-86-5	Pentachlorophenol	ND	380	64	ug/kg	
108-95-2	Phenol	ND	75	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	44	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	35	ug/kg	
83-32-9	Acenaphthene	1520	38	11	ug/kg	
208-96-8	Acenaphthylene	77.6	38	12	ug/kg	
120-12-7	Anthracene	814	38	13	ug/kg	
56-55-3	Benzo(a)anthracene	233	38	12	ug/kg	
50-32-8	Benzo(a)pyrene	184	38	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	134	38	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	92.6	38	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	120	38	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	75	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	75	22	ug/kg	
91-58-7	2-Chloronaphthalene	ND	75	12	ug/kg	
106-47-8	4-Chloroaniline	ND	190	12	ug/kg	
86-74-8	Carbazole	1350	75	17	ug/kg	
218-01-9	Chrysene	218	38	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	75	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	75	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	75	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	75	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-8	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-2	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	75.8
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	75	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	75	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	75	8.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	75	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	75	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	9.5	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	24.5	38	13	ug/kg	J
132-64-9	Dibenzofuran	1260	75	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	75	8.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	75	18	ug/kg	
84-66-2	Diethyl phthalate	ND	75	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	75	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	75	33	ug/kg	
206-44-0	Fluoranthene	1220	38	17	ug/kg	
86-73-7	Fluorene	1630	38	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	75	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	750	38	ug/kg	
67-72-1	Hexachloroethane	ND	190	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	77.3	38	13	ug/kg	
78-59-1	Isophorone	ND	75	10	ug/kg	
91-57-6	2-Methylnaphthalene	250	75	21	ug/kg	
88-74-4	2-Nitroaniline	ND	190	17	ug/kg	
99-09-2	3-Nitroaniline	ND	190	15	ug/kg	
100-01-6	4-Nitroaniline	ND	190	15	ug/kg	
91-20-3	Naphthalene	3100	38	10	ug/kg	
98-95-3	Nitrobenzene	ND	75	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	75	9.2	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	22	ug/kg	
85-01-8	Phenanthrene	3340	38	17	ug/kg	
129-00-0	Pyrene	941	38	14	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	75	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		30-109%
4165-62-2	Phenol-d5	47%		28-108%
118-79-6	2,4,6-Tribromophenol	47%		28-125%
4165-60-0	Nitrobenzene-d5	45%		28-113%
321-60-8	2-Fluorobiphenyl	47%		38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-8		
Lab Sample ID:	JA46609-2	Date Sampled:	05/13/10
Matrix:	SO - Soil	Date Received:	05/14/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	75.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	62%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-15	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-3	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	72.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	S131558.D	1	05/21/10	AVM	n/a	n/a	VS5395
Run #2							

	Initial Weight
Run #1	5.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	9.7	14	3.1	ug/kg	J
71-43-2	Benzene	28.3	1.4	0.47	ug/kg	
75-27-4	Bromodichloromethane	ND	6.9	0.36	ug/kg	
75-25-2	Bromoform	ND	6.9	0.21	ug/kg	
74-83-9	Bromomethane	ND	6.9	0.56	ug/kg	
78-93-3	2-Butanone (MEK)	ND	14	2.7	ug/kg	
75-15-0	Carbon disulfide	10.3	6.9	0.42	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.9	0.77	ug/kg	
108-90-7	Chlorobenzene	ND	6.9	0.47	ug/kg	
75-00-3	Chloroethane	ND	6.9	1.4	ug/kg	
67-66-3	Chloroform	ND	6.9	0.44	ug/kg	
74-87-3	Chloromethane	ND	6.9	0.23	ug/kg	
124-48-1	Dibromochloromethane	ND	6.9	0.15	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.9	0.19	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.48	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.9	0.92	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.9	0.33	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.9	0.62	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	6.9	0.33	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.9	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.9	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.9	0.13	ug/kg	
100-41-4	Ethylbenzene	5.6	1.4	0.51	ug/kg	
591-78-6	2-Hexanone	ND	6.9	1.3	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	0.43	1.4	0.39	ug/kg	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.9	1.1	ug/kg	
75-09-2	Methylene chloride	ND	6.9	0.31	ug/kg	
100-42-5	Styrene	ND	6.9	0.15	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.9	0.41	ug/kg	
127-18-4	Tetrachloroethene	ND	6.9	0.20	ug/kg	
108-88-3	Toluene	ND	1.4	0.40	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.9	0.18	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-11-15	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-3	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	72.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	6.9	0.26	ug/kg	
79-01-6	Trichloroethene	ND	6.9	0.73	ug/kg	
75-01-4	Vinyl chloride	ND	6.9	0.25	ug/kg	
1330-20-7	Xylene (total)	ND	2.8	0.65	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	115%		67-127%
17060-07-0	1,2-Dichloroethane-D4	106%		65-132%
2037-26-5	Toluene-D8	83%		74-129%
460-00-4	4-Bromofluorobenzene	77%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-15	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-3	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	72.2
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19789.D	1	05/27/10	KLS	05/15/10	OP43611	E3M847
Run #2							

Run #	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	200	40	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	64	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	66	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	790	48	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	790	48	ug/kg	
95-48-7	2-Methylphenol	ND	79	45	ug/kg	
	3&4-Methylphenol	ND	79	50	ug/kg	
88-75-5	2-Nitrophenol	ND	200	42	ug/kg	
100-02-7	4-Nitrophenol	ND	390	67	ug/kg	
87-86-5	Pentachlorophenol	ND	390	67	ug/kg	
108-95-2	Phenol	ND	79	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	46	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	37	ug/kg	
83-32-9	Acenaphthene	68.6	39	11	ug/kg	
208-96-8	Acenaphthylene	ND	39	13	ug/kg	
120-12-7	Anthracene	ND	39	14	ug/kg	
56-55-3	Benzo(a)anthracene	ND	39	13	ug/kg	
50-32-8	Benzo(a)pyrene	ND	39	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	39	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	39	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	39	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	79	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	79	23	ug/kg	
91-58-7	2-Chloronaphthalene	ND	79	12	ug/kg	
106-47-8	4-Chloroaniline	ND	200	13	ug/kg	
86-74-8	Carbazole	20.1	79	18	ug/kg	J
218-01-9	Chrysene	ND	39	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	79	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	79	12	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	79	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	79	12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-15	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-3	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	72.2
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	79	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	79	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	79	8.8	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	79	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	79	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	200	10	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	39	13	ug/kg	
132-64-9	Dibenzofuran	50.0	79	12	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	79	8.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	79	19	ug/kg	
84-66-2	Diethyl phthalate	ND	79	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	79	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	79	35	ug/kg	
206-44-0	Fluoranthene	ND	39	17	ug/kg	
86-73-7	Fluorene	23.6	39	13	ug/kg	J
118-74-1	Hexachlorobenzene	ND	79	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	790	40	ug/kg	
67-72-1	Hexachloroethane	ND	200	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	39	14	ug/kg	
78-59-1	Isophorone	ND	79	11	ug/kg	
91-57-6	2-Methylnaphthalene	ND	79	22	ug/kg	
88-74-4	2-Nitroaniline	ND	200	17	ug/kg	
99-09-2	3-Nitroaniline	ND	200	16	ug/kg	
100-01-6	4-Nitroaniline	ND	200	15	ug/kg	
91-20-3	Naphthalene	108	39	11	ug/kg	
98-95-3	Nitrobenzene	ND	79	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	79	9.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	24	ug/kg	
85-01-8	Phenanthrene	36.9	39	18	ug/kg	J
129-00-0	Pyrene	ND	39	15	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	79	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		30-109%
4165-62-2	Phenol-d5	44%		28-108%
118-79-6	2,4,6-Tribromophenol	40%		28-125%
4165-60-0	Nitrobenzene-d5	42%		28-113%
321-60-8	2-Fluorobiphenyl	44%		38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-15	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-3	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	72.2
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	69%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-16	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-4	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	75.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	S131559.D	1	05/21/10	AVM	n/a	n/a	VS5395
Run #2							

	Initial Weight
Run #1	2.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	27.0	28	6.2	ug/kg	J
71-43-2	Benzene	147	2.8	0.94	ug/kg	
75-27-4	Bromodichloromethane	ND	14	0.71	ug/kg	
75-25-2	Bromoform	ND	14	0.42	ug/kg	
74-83-9	Bromomethane	ND	14	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	ND	28	5.5	ug/kg	
75-15-0	Carbon disulfide	36.0	14	0.84	ug/kg	
56-23-5	Carbon tetrachloride	ND	14	1.5	ug/kg	
108-90-7	Chlorobenzene	ND	14	0.94	ug/kg	
75-00-3	Chloroethane	ND	14	2.8	ug/kg	
67-66-3	Chloroform	ND	14	0.88	ug/kg	
74-87-3	Chloromethane	ND	14	0.46	ug/kg	
124-48-1	Dibromochloromethane	ND	14	0.30	ug/kg	
75-34-3	1,1-Dichloroethane	ND	14	0.38	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.8	0.96	ug/kg	
75-35-4	1,1-Dichloroethene	ND	14	1.8	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	14	0.66	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	14	1.2	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	14	0.66	ug/kg	
78-87-5	1,2-Dichloropropane	ND	14	0.36	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	14	0.37	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	14	0.27	ug/kg	
100-41-4	Ethylbenzene	101	2.8	1.0	ug/kg	
591-78-6	2-Hexanone	ND	14	2.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.8	0.78	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	14	2.2	ug/kg	
75-09-2	Methylene chloride	ND	14	0.62	ug/kg	
100-42-5	Styrene	ND	14	0.30	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	14	0.81	ug/kg	
127-18-4	Tetrachloroethene	2.0	14	0.40	ug/kg	J
108-88-3	Toluene	2.2	2.8	0.81	ug/kg	J
71-55-6	1,1,1-Trichloroethane	ND	14	0.35	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-11-16	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-4	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	75.2
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	14	0.51	ug/kg	
79-01-6	Trichloroethene	ND	14	1.5	ug/kg	
75-01-4	Vinyl chloride	ND	14	0.49	ug/kg	
1330-20-7	Xylene (total)	75.1	5.5	1.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		67-127%
17060-07-0	1,2-Dichloroethane-D4	101%		65-132%
2037-26-5	Toluene-D8	81%		74-129%
460-00-4	4-Bromofluorobenzene	77%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-16	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-4	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	75.2
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19790.D	1	05/27/10	KLS	05/15/10	OP43611	E3M847
Run #2							

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	38	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	61	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	64	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	760	46	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	760	46	ug/kg	
95-48-7	2-Methylphenol	ND	76	43	ug/kg	
	3&4-Methylphenol	ND	76	48	ug/kg	
88-75-5	2-Nitrophenol	ND	190	40	ug/kg	
100-02-7	4-Nitrophenol	ND	380	64	ug/kg	
87-86-5	Pentachlorophenol	ND	380	65	ug/kg	
108-95-2	Phenol	ND	76	40	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	44	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	36	ug/kg	
83-32-9	Acenaphthene	43.1	38	11	ug/kg	
208-96-8	Acenaphthylene	ND	38	12	ug/kg	
120-12-7	Anthracene	ND	38	13	ug/kg	
56-55-3	Benzo(a)anthracene	ND	38	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	38	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	38	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	38	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	38	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	76	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	76	22	ug/kg	
91-58-7	2-Chloronaphthalene	ND	76	12	ug/kg	
106-47-8	4-Chloroaniline	ND	190	12	ug/kg	
86-74-8	Carbazole	ND	76	18	ug/kg	
218-01-9	Chrysene	ND	38	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	76	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	76	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	76	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	76	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-16	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-4	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	75.2
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	76	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	76	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	76	8.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	76	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	76	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	9.6	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	38	13	ug/kg	
132-64-9	Dibenzofuran	29.0	76	11	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	76	8.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	76	18	ug/kg	
84-66-2	Diethyl phthalate	ND	76	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	76	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	76	33	ug/kg	
206-44-0	Fluoranthene	ND	38	17	ug/kg	
86-73-7	Fluorene	ND	38	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	76	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	760	39	ug/kg	
67-72-1	Hexachloroethane	ND	190	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	38	13	ug/kg	
78-59-1	Isophorone	ND	76	10	ug/kg	
91-57-6	2-Methylnaphthalene	ND	76	21	ug/kg	
88-74-4	2-Nitroaniline	ND	190	17	ug/kg	
99-09-2	3-Nitroaniline	ND	190	15	ug/kg	
100-01-6	4-Nitroaniline	ND	190	15	ug/kg	
91-20-3	Naphthalene	151	38	10	ug/kg	
98-95-3	Nitrobenzene	ND	76	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	76	9.2	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	23	ug/kg	
85-01-8	Phenanthrene	ND	38	17	ug/kg	
129-00-0	Pyrene	ND	38	15	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	76	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%		30-109%
4165-62-2	Phenol-d5	51%		28-108%
118-79-6	2,4,6-Tribromophenol	43%		28-125%
4165-60-0	Nitrobenzene-d5	51%		28-113%
321-60-8	2-Fluorobiphenyl	52%		38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-16		
Lab Sample ID:	JA46609-4	Date Sampled:	05/13/10
Matrix:	SO - Soil	Date Received:	05/14/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	75.2
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	77%		31-116%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-2	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-5	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D168539.D	1	05/19/10	HSS	n/a	n/a	VD6799
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.4 g	5.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3900	870	ug/kg	
71-43-2	Benzene	2610	390	130	ug/kg	
75-27-4	Bromodichloromethane	ND	1900	100	ug/kg	
75-25-2	Bromoform	ND	1900	59	ug/kg	
74-83-9	Bromomethane	ND	1900	160	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3900	770	ug/kg	
75-15-0	Carbon disulfide	ND	1900	120	ug/kg	
56-23-5	Carbon tetrachloride	ND	1900	220	ug/kg	
108-90-7	Chlorobenzene	ND	1900	130	ug/kg	
75-00-3	Chloroethane	ND	1900	390	ug/kg	
67-66-3	Chloroform	ND	1900	120	ug/kg	
74-87-3	Chloromethane	ND	1900	64	ug/kg	
124-48-1	Dibromochloromethane	ND	1900	43	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1900	54	ug/kg	
107-06-2	1,2-Dichloroethane	ND	390	130	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1900	260	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1900	93	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1900	170	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	1900	93	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1900	51	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1900	52	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1900	37	ug/kg	
100-41-4	Ethylbenzene	51400	390	140	ug/kg	
591-78-6	2-Hexanone	ND	1900	380	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	390	110	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	1900	320	ug/kg	
75-09-2	Methylene chloride	ND	1900	87	ug/kg	
100-42-5	Styrene	ND	1900	42	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1900	110	ug/kg	
127-18-4	Tetrachloroethene	ND	1900	56	ug/kg	
108-88-3	Toluene	1350	390	110	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1900	50	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-11-2	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-5	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1900	72	ug/kg	
79-01-6	Trichloroethene	ND	1900	200	ug/kg	
75-01-4	Vinyl chloride	ND	1900	69	ug/kg	
1330-20-7	Xylene (total)	69700	780	180	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		67-127%
17060-07-0	1,2-Dichloroethane-D4	89%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	109%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: PO-11-2
Lab Sample ID: JA46609-5
Matrix: SO - Soil
Method: SW846 8270C SW846 3550B
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 05/13/10

Date Received: 05/14/10

Percent Solids: 75.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19834.D	1	05/28/10	KLS	05/15/10	OP43611	E3M848
Run #2	3M19856.D	20	05/28/10	KLS	05/15/10	OP43611	E3M850
Run #3	3M19857.D	200	05/28/10	KLS	05/15/10	OP43611	E3M850

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2	35.1 g	1.0 ml
Run #3	35.1 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	38	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	38	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	61	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	64	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	760	46	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	760	46	ug/kg	
95-48-7	2-Methylphenol	ND	76	43	ug/kg	
	3&4-Methylphenol	ND	76	48	ug/kg	
88-75-5	2-Nitrophenol	ND	190	40	ug/kg	
100-02-7	4-Nitrophenol	ND	380	64	ug/kg	
87-86-5	Pentachlorophenol	ND	380	65	ug/kg	
108-95-2	Phenol	ND	76	40	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	44	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	36	ug/kg	
83-32-9	Acenaphthene	52600 ^a	760	220	ug/kg	
208-96-8	Acenaphthylene	1800	38	12	ug/kg	
120-12-7	Anthracene	27100 ^a	760	260	ug/kg	
56-55-3	Benzo(a)anthracene	8420 ^a	760	250	ug/kg	
50-32-8	Benzo(a)pyrene	5210 ^a	760	230	ug/kg	
205-99-2	Benzo(b)fluoranthene	3700	38	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1940	38	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	2940	38	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	76	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	76	22	ug/kg	
91-58-7	2-Chloronaphthalene	ND	76	12	ug/kg	
106-47-8	4-Chloroaniline	ND	190	12	ug/kg	
86-74-8	Carbazole	7390 ^a	1500	350	ug/kg	
218-01-9	Chrysene	8080 ^a	760	260	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	76	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	76	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-2	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-5	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	76	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	76	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	76	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	76	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	76	8.4	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	76	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	76	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	9.6	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	648	38	13	ug/kg	
132-64-9	Dibenzofuran	42600 ^a	1500	220	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	76	8.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	76	18	ug/kg	
84-66-2	Diethyl phthalate	ND	76	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	76	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	95.2	76	33	ug/kg	
206-44-0	Fluoranthene	46700 ^a	760	330	ug/kg	
86-73-7	Fluorene	41700 ^a	760	250	ug/kg	
118-74-1	Hexachlorobenzene	ND	76	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	760	39	ug/kg	
67-72-1	Hexachloroethane	ND	190	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1800	38	13	ug/kg	
78-59-1	Isophorone	ND	76	10	ug/kg	
91-57-6	2-Methylnaphthalene	64100 ^a	1500	420	ug/kg	
88-74-4	2-Nitroaniline	ND	190	17	ug/kg	
99-09-2	3-Nitroaniline	ND	190	15	ug/kg	
100-01-6	4-Nitroaniline	ND	190	15	ug/kg	
91-20-3	Naphthalene	275000 ^b	7600	2100	ug/kg	
98-95-3	Nitrobenzene	ND	76	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	76	9.2	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	23	ug/kg	
85-01-8	Phenanthrene	132000 ^b	7600	3400	ug/kg	
129-00-0	Pyrene	33200 ^a	760	290	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	76	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	43%	43%	0% ^c	30-109%
4165-62-2	Phenol-d5	50%	48%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	66%	55%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-2	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-5	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	57%	58%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	51%	66%	0% ^c	38-107%
1718-51-0	Terphenyl-d14	67%	81%	0% ^c	31-116%

- (a) Result is from Run# 2
(b) Result is from Run# 3
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-4	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-6	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	78.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168540.D	1	05/19/10	HSS	n/a	n/a	VD6799
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.0 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	770	170	ug/kg	
71-43-2	Benzene	197	77	26	ug/kg	
75-27-4	Bromodichloromethane	ND	390	20	ug/kg	
75-25-2	Bromoform	ND	390	12	ug/kg	
74-83-9	Bromomethane	ND	390	31	ug/kg	
78-93-3	2-Butanone (MEK)	ND	770	150	ug/kg	
75-15-0	Carbon disulfide	ND	390	24	ug/kg	
56-23-5	Carbon tetrachloride	ND	390	43	ug/kg	
108-90-7	Chlorobenzene	ND	390	26	ug/kg	
75-00-3	Chloroethane	ND	390	77	ug/kg	
67-66-3	Chloroform	ND	390	25	ug/kg	
74-87-3	Chloromethane	ND	390	13	ug/kg	
124-48-1	Dibromochloromethane	ND	390	8.5	ug/kg	
75-34-3	1,1-Dichloroethane	ND	390	11	ug/kg	
107-06-2	1,2-Dichloroethane	ND	77	27	ug/kg	
75-35-4	1,1-Dichloroethene	ND	390	51	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	390	18	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	390	35	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	390	18	ug/kg	
78-87-5	1,2-Dichloropropane	ND	390	10	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	390	10	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	390	7.4	ug/kg	
100-41-4	Ethylbenzene	4200	77	29	ug/kg	
591-78-6	2-Hexanone	ND	390	74	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	77	22	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	390	63	ug/kg	
75-09-2	Methylene chloride	ND	390	17	ug/kg	
100-42-5	Styrene	ND	390	8.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	390	23	ug/kg	
127-18-4	Tetrachloroethene	ND	390	11	ug/kg	
108-88-3	Toluene	82.6	77	23	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	390	9.9	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-11-4	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-6	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	78.6
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	390	14	ug/kg	
79-01-6	Trichloroethene	ND	390	41	ug/kg	
75-01-4	Vinyl chloride	ND	390	14	ug/kg	
1330-20-7	Xylene (total)	6680	150	36	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		67-127%
17060-07-0	1,2-Dichloroethane-D4	90%		65-132%
2037-26-5	Toluene-D8	105%		74-129%
460-00-4	4-Bromofluorobenzene	109%		62-138%

(a) Diluted due to high concentration of target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: PO-11-4
Lab Sample ID: JA46609-6
Matrix: SO - Soil
Method: SW846 8270C SW846 3550B
Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

Date Sampled: 05/13/10

Date Received: 05/14/10

Percent Solids: 78.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19835.D	1	05/28/10	KLS	05/15/10	OP43611	E3M848
Run #2	3M19855.D	20	05/28/10	KLS	05/15/10	OP43611	E3M850
Run #3	3M19872.D	100	05/28/10	KLS	05/15/10	OP43611	E3M850

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml
Run #3	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	37	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	58	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	61	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	720	44	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	720	44	ug/kg	
95-48-7	2-Methylphenol	ND	72	41	ug/kg	
	3&4-Methylphenol	ND	72	46	ug/kg	
88-75-5	2-Nitrophenol	ND	180	38	ug/kg	
100-02-7	4-Nitrophenol	ND	360	61	ug/kg	
87-86-5	Pentachlorophenol	ND	360	62	ug/kg	
108-95-2	Phenol	ND	72	38	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	18500 ^a	720	210	ug/kg	
208-96-8	Acenaphthylene	369	36	12	ug/kg	
120-12-7	Anthracene	8700 ^a	720	250	ug/kg	
56-55-3	Benzo(a)anthracene	1680	36	12	ug/kg	
50-32-8	Benzo(a)pyrene	1080	36	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	930	36	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	461	36	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	553	36	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	72	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	72	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	2840	72	17	ug/kg	
218-01-9	Chrysene	1540	36	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	72	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	72	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-4	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-6	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	78.6
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	72	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	72	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	72	9.7	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	72	8.1	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	72	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	72	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	147	36	12	ug/kg	
132-64-9	Dibenzofuran	15300 ^a	1400	210	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	72	8.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	72	18	ug/kg	
84-66-2	Diethyl phthalate	ND	72	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	72	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	108	72	32	ug/kg	
206-44-0	Fluoranthene	15600 ^a	720	320	ug/kg	
86-73-7	Fluorene	15000 ^a	720	240	ug/kg	
118-74-1	Hexachlorobenzene	ND	72	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	720	37	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	410	36	13	ug/kg	
78-59-1	Isophorone	ND	72	9.7	ug/kg	
91-57-6	2-Methylnaphthalene	21500 ^a	1400	400	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	94100 ^b	3600	990	ug/kg	
98-95-3	Nitrobenzene	ND	72	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	72	8.8	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	22	ug/kg	
85-01-8	Phenanthrene	46600 ^a	720	330	ug/kg	
129-00-0	Pyrene	10600 ^a	720	280	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	72	9.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	31%	39%	0% ^c	30-109%
4165-62-2	Phenol-d5	36%	52%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	57%	66%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-4	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-6	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	78.6
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	34%	53%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	41%	67%	64%	38-107%
1718-51-0	Terphenyl-d14	66%	106%	103%	31-116%

- (a) Result is from Run# 2
(b) Result is from Run# 3
(c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-13	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-7	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D168541.D	1	05/19/10	HSS	n/a	n/a	VD6799
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	5.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3700	820	ug/kg	
71-43-2	Benzene	484	370	130	ug/kg	
75-27-4	Bromodichloromethane	ND	1800	95	ug/kg	
75-25-2	Bromoform	ND	1800	56	ug/kg	
74-83-9	Bromomethane	ND	1800	150	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3700	730	ug/kg	
75-15-0	Carbon disulfide	ND	1800	110	ug/kg	
56-23-5	Carbon tetrachloride	ND	1800	200	ug/kg	
108-90-7	Chlorobenzene	ND	1800	130	ug/kg	
75-00-3	Chloroethane	ND	1800	370	ug/kg	
67-66-3	Chloroform	ND	1800	120	ug/kg	
74-87-3	Chloromethane	ND	1800	61	ug/kg	
124-48-1	Dibromochloromethane	ND	1800	41	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1800	51	ug/kg	
107-06-2	1,2-Dichloroethane	ND	370	130	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1800	240	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1800	88	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1800	170	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	1800	88	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1800	48	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1800	49	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1800	35	ug/kg	
100-41-4	Ethylbenzene	53400	370	140	ug/kg	
591-78-6	2-Hexanone	ND	1800	360	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	370	100	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	1800	300	ug/kg	
75-09-2	Methylene chloride	ND	1800	82	ug/kg	
100-42-5	Styrene	ND	1800	39	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1800	110	ug/kg	
127-18-4	Tetrachloroethene	ND	1800	53	ug/kg	
108-88-3	Toluene	1040	370	110	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1800	47	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-11-13	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-7	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1800	68	ug/kg	
79-01-6	Trichloroethene	ND	1800	190	ug/kg	
75-01-4	Vinyl chloride	ND	1800	66	ug/kg	
1330-20-7	Xylene (total)	83500	740	170	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		67-127%
17060-07-0	1,2-Dichloroethane-D4	89%		65-132%
2037-26-5	Toluene-D8	105%		74-129%
460-00-4	4-Bromofluorobenzene	109%		62-138%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: PO-11-13

Lab Sample ID: JA46609-7

Date Sampled: 05/13/10

Matrix: SO - Soil

Date Received: 05/14/10

Method: SW846 8270C SW846 3550B

Percent Solids: 80.0

Project: Queens West, Parcel 8, 47th Road, Long Island City, NY

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19836.D	1	05/28/10	KLS	05/15/10	OP43611	E3M848
Run #2	3M19860.D	50	05/28/10	KLS	05/15/10	OP43611	E3M850
Run #3	3M19873.D	5000	05/28/10	KLS	05/15/10	OP43611	E3M850

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml
Run #3	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	36	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	57	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	60	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	710	43	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	710	43	ug/kg	
95-48-7	2-Methylphenol	ND	71	40	ug/kg	
	3&4-Methylphenol	ND	71	45	ug/kg	
88-75-5	2-Nitrophenol	ND	180	38	ug/kg	
100-02-7	4-Nitrophenol	ND	360	60	ug/kg	
87-86-5	Pentachlorophenol	ND	360	61	ug/kg	
108-95-2	Phenol	ND	71	37	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	41	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	33	ug/kg	
83-32-9	Acenaphthene	485000 ^a	180000	51000	ug/kg	
208-96-8	Acenaphthylene	19500 ^b	1800	570	ug/kg	
120-12-7	Anthracene	211000 ^a	180000	62000	ug/kg	
56-55-3	Benzo(a)anthracene	71700 ^b	1800	580	ug/kg	
50-32-8	Benzo(a)pyrene	41800 ^b	1800	540	ug/kg	
205-99-2	Benzo(b)fluoranthene	35600 ^b	1800	590	ug/kg	
191-24-2	Benzo(g,h,i)perylene	16800 ^b	1800	660	ug/kg	
207-08-9	Benzo(k)fluoranthene	23900 ^b	1800	670	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	71	13	ug/kg	
85-68-7	Butyl benzyl phthalate	1570	71	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	71	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	11	ug/kg	
86-74-8	Carbazole	54700 ^b	3600	820	ug/kg	
218-01-9	Chrysene	66800 ^b	1800	600	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	71	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	71	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-13	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-7	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	80.0
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	71	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	71	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	71	10	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	71	9.5	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	71	7.9	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	71	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	71	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	5710 ^b	1800	610	ug/kg	
132-64-9	Dibenzofuran	383000 ^a	360000	53000	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	71	7.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	71	17	ug/kg	
84-66-2	Diethyl phthalate	ND	71	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	71	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	71	31	ug/kg	
206-44-0	Fluoranthene	403000 ^a	180000	78000	ug/kg	
86-73-7	Fluorene	350000 ^a	180000	58000	ug/kg	
118-74-1	Hexachlorobenzene	ND	71	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	9.9	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	710	36	ug/kg	
67-72-1	Hexachloroethane	ND	180	9.9	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	15600 ^b	1800	620	ug/kg	
78-59-1	Isophorone	ND	71	9.6	ug/kg	
91-57-6	2-Methylnaphthalene	769000 ^a	360000	99000	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	14	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	3560000 ^a	180000	48000	ug/kg	
98-95-3	Nitrobenzene	ND	71	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	71	8.7	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	21	ug/kg	
85-01-8	Phenanthrene	1150000 ^a	180000	81000	ug/kg	
129-00-0	Pyrene	293000 ^a	180000	68000	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	71	9.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	82%	0% ^c	0% ^c	30-109%
4165-62-2	Phenol-d5	73%	0% ^c	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	205% ^d	0% ^c	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-13		
Lab Sample ID:	JA46609-7	Date Sampled:	05/13/10
Matrix:	SO - Soil	Date Received:	05/14/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	80.0
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	69%	0% ^c	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	53%	0% ^c	0% ^c	38-107%
1718-51-0	Terphenyl-d14	182% ^d	0% ^c	0% ^c	31-116%

(a) Result is from Run# 3

(b) Result is from Run# 2

(c) Outside control limits due to dilution.

(d) Outside control limits due to matrix interference.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-11-14	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-8	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	72.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168558.D	1	05/20/10	HSS	n/a	n/a	VD6800
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	10.0 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	870	190	ug/kg	J
71-43-2	Benzene	56.7	87	30	ug/kg	
75-27-4	Bromodichloromethane	ND	440	22	ug/kg	
75-25-2	Bromoform	ND	440	13	ug/kg	
74-83-9	Bromomethane	ND	440	35	ug/kg	
78-93-3	2-Butanone (MEK)	ND	870	170	ug/kg	
75-15-0	Carbon disulfide	ND	440	27	ug/kg	
56-23-5	Carbon tetrachloride	ND	440	48	ug/kg	
108-90-7	Chlorobenzene	ND	440	30	ug/kg	
75-00-3	Chloroethane	ND	440	87	ug/kg	
67-66-3	Chloroform	ND	440	28	ug/kg	
74-87-3	Chloromethane	ND	440	14	ug/kg	
124-48-1	Dibromochloromethane	ND	440	9.6	ug/kg	
75-34-3	1,1-Dichloroethane	ND	440	12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	87	30	ug/kg	
75-35-4	1,1-Dichloroethene	ND	440	58	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	440	21	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	440	39	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	440	21	ug/kg	
78-87-5	1,2-Dichloropropane	ND	440	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	440	12	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	440	8.4	ug/kg	
100-41-4	Ethylbenzene	7880	87	32	ug/kg	
591-78-6	2-Hexanone	ND	440	84	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	87	25	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	440	71	ug/kg	
75-09-2	Methylene chloride	ND	440	19	ug/kg	
100-42-5	Styrene	ND	440	9.3	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	440	26	ug/kg	
127-18-4	Tetrachloroethene	ND	440	13	ug/kg	
108-88-3	Toluene	ND	87	25	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	440	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-11-14	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-8	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	72.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	440	16	ug/kg	
79-01-6	Trichloroethene	ND	440	46	ug/kg	
75-01-4	Vinyl chloride	ND	440	16	ug/kg	
1330-20-7	Xylene (total)	4030	170	41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	89%		65-132%
2037-26-5	Toluene-D8	103%		74-129%
460-00-4	4-Bromofluorobenzene	107%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-11-14	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-8	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	72.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19824.D	1	05/27/10	KLS	05/15/10	OP43611	E3M848
Run #2	3M19853.D	10	05/28/10	KLS	05/15/10	OP43611	E3M850

	Initial Weight	Final Volume
Run #1	35.0 g	1.0 ml
Run #2	35.0 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	200	40	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	63	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	66	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	780	48	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	780	48	ug/kg	
95-48-7	2-Methylphenol	ND	78	45	ug/kg	
	3&4-Methylphenol	ND	78	50	ug/kg	
88-75-5	2-Nitrophenol	ND	200	42	ug/kg	
100-02-7	4-Nitrophenol	ND	390	66	ug/kg	
87-86-5	Pentachlorophenol	ND	390	67	ug/kg	
108-95-2	Phenol	ND	78	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	45	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	37	ug/kg	
83-32-9	Acenaphthene	1410	39	11	ug/kg	
208-96-8	Acenaphthylene	ND	39	13	ug/kg	
120-12-7	Anthracene	78.7	39	14	ug/kg	
56-55-3	Benzo(a)anthracene	25.8	39	13	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	39	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	39	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	39	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	39	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	78	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	78	23	ug/kg	
91-58-7	2-Chloronaphthalene	ND	78	12	ug/kg	
106-47-8	4-Chloroaniline	ND	200	13	ug/kg	
86-74-8	Carbazole	594	78	18	ug/kg	
218-01-9	Chrysene	19.2	39	13	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	78	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	78	12	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	78	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	78	12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-14	Date Sampled:	05/13/10
Lab Sample ID:	JA46609-8	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	72.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	78	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	78	11	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	78	8.7	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	78	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	78	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	200	10	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	39	13	ug/kg	
132-64-9	Dibenzofuran	820	78	12	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	78	8.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	78	19	ug/kg	
84-66-2	Diethyl phthalate	ND	78	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	78	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	78	35	ug/kg	
206-44-0	Fluoranthene	118	39	17	ug/kg	
86-73-7	Fluorene	451	39	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	78	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	780	40	ug/kg	
67-72-1	Hexachloroethane	ND	200	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	39	14	ug/kg	
78-59-1	Isophorone	ND	78	11	ug/kg	
91-57-6	2-Methylnaphthalene	492	78	22	ug/kg	
88-74-4	2-Nitroaniline	ND	200	17	ug/kg	
99-09-2	3-Nitroaniline	ND	200	16	ug/kg	
100-01-6	4-Nitroaniline	ND	200	15	ug/kg	
91-20-3	Naphthalene	19100 ^a	390	110	ug/kg	
98-95-3	Nitrobenzene	ND	78	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	78	9.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	23	ug/kg	
85-01-8	Phenanthrene	1160	39	18	ug/kg	
129-00-0	Pyrene	84.7	39	15	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	78	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%	48%	30-109%
4165-62-2	Phenol-d5	44%	55%	28-108%
118-79-6	2,4,6-Tribromophenol	60%	64%	28-125%
4165-60-0	Nitrobenzene-d5	37%	41%	28-113%
321-60-8	2-Fluorobiphenyl	42%	51%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-14		
Lab Sample ID:	JA46609-8	Date Sampled:	05/13/10
Matrix:	SO - Soil	Date Received:	05/14/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	72.9
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	84%	99%	31-116%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-11-5	Date Sampled:	05/14/10
Lab Sample ID:	JA46609-9	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	73.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168559.D	1	05/20/10	HSS	n/a	n/a	VD6800
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.3 g	5.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	830	180	ug/kg	
71-43-2	Benzene	86.5	83	28	ug/kg	
75-27-4	Bromodichloromethane	ND	410	21	ug/kg	
75-25-2	Bromoform	ND	410	12	ug/kg	
74-83-9	Bromomethane	ND	410	33	ug/kg	
78-93-3	2-Butanone (MEK)	ND	830	160	ug/kg	
75-15-0	Carbon disulfide	ND	410	25	ug/kg	
56-23-5	Carbon tetrachloride	ND	410	46	ug/kg	
108-90-7	Chlorobenzene	ND	410	28	ug/kg	
75-00-3	Chloroethane	ND	410	83	ug/kg	
67-66-3	Chloroform	ND	410	26	ug/kg	
74-87-3	Chloromethane	ND	410	14	ug/kg	
124-48-1	Dibromochloromethane	ND	410	9.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	410	11	ug/kg	
107-06-2	1,2-Dichloroethane	ND	83	28	ug/kg	
75-35-4	1,1-Dichloroethene	ND	410	55	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	410	20	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	410	37	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	410	20	ug/kg	
78-87-5	1,2-Dichloropropane	ND	410	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	410	11	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	410	7.9	ug/kg	
100-41-4	Ethylbenzene	1050	83	31	ug/kg	
591-78-6	2-Hexanone	ND	410	80	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	83	23	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	410	67	ug/kg	
75-09-2	Methylene chloride	ND	410	18	ug/kg	
100-42-5	Styrene	ND	410	8.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	410	24	ug/kg	
127-18-4	Tetrachloroethene	ND	410	12	ug/kg	
108-88-3	Toluene	ND	83	24	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	410	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-11-5	Date Sampled:	05/14/10
Lab Sample ID:	JA46609-9	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	73.3
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	410	15	ug/kg	
79-01-6	Trichloroethene	ND	410	43	ug/kg	
75-01-4	Vinyl chloride	ND	410	15	ug/kg	
1330-20-7	Xylene (total)	1360	170	39	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	90%		65-132%
2037-26-5	Toluene-D8	103%		74-129%
460-00-4	4-Bromofluorobenzene	110%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	PO-11-5		
Lab Sample ID:	JA46609-9	Date Sampled:	05/14/10
Matrix:	SO - Soil	Date Received:	05/14/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	73.3
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F89239.D	1	05/28/10	NAP	05/28/10	OP43803	EF4190
Run #2	F89248.D	2	05/29/10	NAP	05/28/10	OP43803	EF4191
Run #3 ^a	2M29510.D	1	06/03/10	OYA	06/02/10	OP43835	E2M1254

	Initial Weight	Final Volume
Run #1	35.1 g	1.0 ml
Run #2	35.1 g	1.0 ml
Run #3	35.3 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	39	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	39	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	63	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	780	47	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	780	47	ug/kg	
95-48-7	2-Methylphenol	ND	78	44	ug/kg	
	3&4-Methylphenol	ND	78	49	ug/kg	
88-75-5	2-Nitrophenol	ND	190	41	ug/kg	
100-02-7	4-Nitrophenol	ND	390	66	ug/kg	
87-86-5	Pentachlorophenol	ND	390	66	ug/kg	
108-95-2	Phenol	ND	78	41	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	45	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	37	ug/kg	
83-32-9	Acenaphthene	1550	39	11	ug/kg	
208-96-8	Acenaphthylene	33.9	39	12	ug/kg	J
120-12-7	Anthracene	830	39	14	ug/kg	
56-55-3	Benzo(a)anthracene	206	39	13	ug/kg	
50-32-8	Benzo(a)pyrene	120	39	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	133	39	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	53.6	39	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	59.9	39	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	78	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	78	23	ug/kg	
91-58-7	2-Chloronaphthalene	ND	78	12	ug/kg	
106-47-8	4-Chloroaniline	ND	190	12	ug/kg	
86-74-8	Carbazole	844	78	18	ug/kg	
218-01-9	Chrysene	191	39	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	78	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	78	12	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-5	Date Sampled:	05/14/10
Lab Sample ID:	JA46609-9	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	73.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	78	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	78	12	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	78	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	78	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	78	8.7	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	78	17	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	78	15	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	9.9	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	30.3	39	13	ug/kg	J
132-64-9	Dibenzofuran	1200	78	12	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	78	8.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	78	19	ug/kg	
84-66-2	Diethyl phthalate	ND	78	13	ug/kg	
131-11-3	Dimethyl phthalate	152	78	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	78	34	ug/kg	
206-44-0	Fluoranthene	1430	39	17	ug/kg	
86-73-7	Fluorene	1150	39	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	78	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	780	40	ug/kg	
67-72-1	Hexachloroethane	ND	190	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	46.9	39	13	ug/kg	
78-59-1	Isophorone	ND	78	10	ug/kg	
91-57-6	2-Methylnaphthalene	397	78	22	ug/kg	
88-74-4	2-Nitroaniline	ND	190	17	ug/kg	
99-09-2	3-Nitroaniline	ND	190	16	ug/kg	
100-01-6	4-Nitroaniline	ND	190	15	ug/kg	
91-20-3	Naphthalene	3080	39	11	ug/kg	
98-95-3	Nitrobenzene	ND	78	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	78	9.5	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	23	ug/kg	
85-01-8	Phenanthrene	3980 ^b	78	35	ug/kg	
129-00-0	Pyrene	1130	39	15	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	78	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	67%	61%	66%	30-109%
4165-62-2	Phenol-d5	69%	62%	73%	28-108%
118-79-6	2,4,6-Tribromophenol	72%	80%	73%	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-5	Date Sampled:	05/14/10
Lab Sample ID:	JA46609-9	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	73.3
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	68%	73%	68%	28-113%
321-60-8	2-Fluorobiphenyl	64%	64%	63%	38-107%
1718-51-0	Terphenyl-d14	77%	64%	68%	31-116%

(a) Confirmation run.

(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-11-6	Date Sampled:	05/14/10
Lab Sample ID:	JA46609-10	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	77.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D168560.D	1	05/20/10	HSS	n/a	n/a	VD6800
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.4 g	5.0 ml	20.0 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	3700	820	ug/kg	
71-43-2	Benzene	564	370	130	ug/kg	
75-27-4	Bromodichloromethane	ND	1800	95	ug/kg	
75-25-2	Bromoform	ND	1800	56	ug/kg	
74-83-9	Bromomethane	ND	1800	150	ug/kg	
78-93-3	2-Butanone (MEK)	ND	3700	730	ug/kg	
75-15-0	Carbon disulfide	ND	1800	110	ug/kg	
56-23-5	Carbon tetrachloride	ND	1800	200	ug/kg	
108-90-7	Chlorobenzene	ND	1800	130	ug/kg	
75-00-3	Chloroethane	ND	1800	370	ug/kg	
67-66-3	Chloroform	ND	1800	120	ug/kg	
74-87-3	Chloromethane	ND	1800	61	ug/kg	
124-48-1	Dibromochloromethane	ND	1800	41	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1800	51	ug/kg	
107-06-2	1,2-Dichloroethane	ND	370	130	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1800	240	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1800	88	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1800	170	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	1800	88	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1800	48	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1800	49	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1800	35	ug/kg	
100-41-4	Ethylbenzene	29200	370	140	ug/kg	
591-78-6	2-Hexanone	ND	1800	360	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	370	100	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	1800	300	ug/kg	
75-09-2	Methylene chloride	ND	1800	82	ug/kg	
100-42-5	Styrene	ND	1800	39	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1800	110	ug/kg	
127-18-4	Tetrachloroethene	ND	1800	53	ug/kg	
108-88-3	Toluene	508	370	110	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1800	47	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 2

Client Sample ID:	PO-11-6	Date Sampled:	05/14/10
Lab Sample ID:	JA46609-10	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	77.8
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	1800	68	ug/kg	
79-01-6	Trichloroethene	ND	1800	190	ug/kg	
75-01-4	Vinyl chloride	ND	1800	66	ug/kg	
1330-20-7	Xylene (total)	49000	740	170	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		67-127%
17060-07-0	1,2-Dichloroethane-D4	89%		65-132%
2037-26-5	Toluene-D8	104%		74-129%
460-00-4	4-Bromofluorobenzene	107%		62-138%

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-6	Date Sampled:	05/14/10
Lab Sample ID:	JA46609-10	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	77.8
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19825.D	1	05/27/10	KLS	05/15/10	OP43611	E3M848
Run #2	3M19854.D	10	05/28/10	KLS	05/15/10	OP43611	E3M850

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	180	37	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	59	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	61	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	730	45	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	730	45	ug/kg	
95-48-7	2-Methylphenol	ND	73	42	ug/kg	
	3&4-Methylphenol	ND	73	46	ug/kg	
88-75-5	2-Nitrophenol	ND	180	39	ug/kg	
100-02-7	4-Nitrophenol	ND	370	62	ug/kg	
87-86-5	Pentachlorophenol	ND	370	62	ug/kg	
108-95-2	Phenol	ND	73	38	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	42	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	34	ug/kg	
83-32-9	Acenaphthene	967	37	11	ug/kg	
208-96-8	Acenaphthylene	27.1	37	12	ug/kg	J
120-12-7	Anthracene	226	37	13	ug/kg	
56-55-3	Benzo(a)anthracene	113	37	12	ug/kg	
50-32-8	Benzo(a)pyrene	78.0	37	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	62.9	37	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	31.7	37	14	ug/kg	J
207-08-9	Benzo(k)fluoranthene	49.5	37	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	73	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	21	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	11	ug/kg	
106-47-8	4-Chloroaniline	ND	180	12	ug/kg	
86-74-8	Carbazole	169	73	17	ug/kg	
218-01-9	Chrysene	97.9	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	11	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	73	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-6	Date Sampled:	05/14/10
Lab Sample ID:	JA46609-10	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	77.8
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	73	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	73	9.8	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	73	8.1	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	73	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	73	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	180	9.3	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	12	ug/kg	
132-64-9	Dibenzofuran	688	73	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	8.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	73	18	ug/kg	
84-66-2	Diethyl phthalate	ND	73	12	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	73	32	ug/kg	
206-44-0	Fluoranthene	428	37	16	ug/kg	
86-73-7	Fluorene	426	37	12	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	730	37	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	26.1	37	13	ug/kg	J
78-59-1	Isophorone	ND	73	9.8	ug/kg	
91-57-6	2-Methylnaphthalene	979	73	20	ug/kg	
88-74-4	2-Nitroaniline	ND	180	16	ug/kg	
99-09-2	3-Nitroaniline	ND	180	15	ug/kg	
100-01-6	4-Nitroaniline	ND	180	14	ug/kg	
91-20-3	Naphthalene	14000 ^a	370	100	ug/kg	
98-95-3	Nitrobenzene	ND	73	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	73	8.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	22	ug/kg	
85-01-8	Phenanthrene	1170	37	17	ug/kg	
129-00-0	Pyrene	340	37	14	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	73	9.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%	46%	30-109%
4165-62-2	Phenol-d5	46%	47%	28-108%
118-79-6	2,4,6-Tribromophenol	51%	56%	28-125%
4165-60-0	Nitrobenzene-d5	42%	48%	28-113%
321-60-8	2-Fluorobiphenyl	48%	52%	38-107%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-6		
Lab Sample ID:	JA46609-10	Date Sampled:	05/14/10
Matrix:	SO - Soil	Date Received:	05/14/10
Method:	SW846 8270C SW846 3550B	Percent Solids:	77.8
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1718-51-0	Terphenyl-d14	76%	85%	31-116%

(a) Result is from Run# 2

ND = Not detected

MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 2

Client Sample ID:	PO-11-12	Date Sampled:	05/14/10
Lab Sample ID:	JA46609-11	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	75.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	D168561.D	1	05/20/10	HSS	n/a	n/a	VD6800
Run #2	D168743.D	1	05/25/10	HSS	n/a	n/a	VD6808

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.9 g	5.0 ml	20.0 ul
Run #2	4.9 g	5.0 ml	1.0 ul

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	4200	930	ug/kg	
71-43-2	Benzene	ND	420	140	ug/kg	
75-27-4	Bromodichloromethane	ND	2100	110	ug/kg	
75-25-2	Bromoform	ND	2100	63	ug/kg	
74-83-9	Bromomethane	ND	2100	170	ug/kg	
78-93-3	2-Butanone (MEK)	ND	4200	820	ug/kg	
75-15-0	Carbon disulfide	ND	2100	130	ug/kg	
56-23-5	Carbon tetrachloride	ND	2100	230	ug/kg	
108-90-7	Chlorobenzene	ND	2100	140	ug/kg	
75-00-3	Chloroethane	ND	2100	420	ug/kg	
67-66-3	Chloroform	ND	2100	130	ug/kg	
74-87-3	Chloromethane	ND	2100	69	ug/kg	
124-48-1	Dibromochloromethane	ND	2100	46	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2100	57	ug/kg	
107-06-2	1,2-Dichloroethane	ND	420	140	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2100	280	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2100	99	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2100	190	ug/kg	
540-59-0	1,2-Dichloroethene (total)	ND	2100	99	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2100	54	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2100	55	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2100	40	ug/kg	
100-41-4	Ethylbenzene	103000 ^a	8300	3100	ug/kg	
591-78-6	2-Hexanone	ND	2100	400	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	420	120	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	2100	340	ug/kg	
75-09-2	Methylene chloride	ND	2100	93	ug/kg	
100-42-5	Styrene	ND	2100	44	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2100	120	ug/kg	
127-18-4	Tetrachloroethene	ND	2100	60	ug/kg	
108-88-3	Toluene	1460	420	120	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2100	53	ug/kg	

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	PO-11-12	Date Sampled:	05/14/10
Lab Sample ID:	JA46609-11	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	75.9
Method:	SW846 8260B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2100	77	ug/kg	
79-01-6	Trichloroethene	ND	2100	220	ug/kg	
75-01-4	Vinyl chloride	ND	2100	74	ug/kg	
1330-20-7	Xylene (total)	131000	830	190	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	98%	67-127%
17060-07-0	1,2-Dichloroethane-D4	89%	94%	65-132%
2037-26-5	Toluene-D8	103%	103%	74-129%
460-00-4	4-Bromofluorobenzene	108%	106%	62-138%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3.11

3

Client Sample ID:	PO-11-12	Date Sampled:	05/14/10
Lab Sample ID:	JA46609-11	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	75.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3M19837.D	1	05/28/10	KLS	05/15/10	OP43611	E3M848
Run #2	3M19858.D	20	05/28/10	KLS	05/15/10	OP43611	E3M850
Run #3	3M19859.D	200	05/28/10	KLS	05/15/10	OP43611	E3M850

	Initial Weight	Final Volume
Run #1	35.2 g	1.0 ml
Run #2	35.2 g	1.0 ml
Run #3	35.2 g	1.0 ml

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	190	38	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	37	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	60	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	63	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	750	46	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	750	46	ug/kg	
95-48-7	2-Methylphenol	ND	75	43	ug/kg	
	3&4-Methylphenol	ND	75	48	ug/kg	
88-75-5	2-Nitrophenol	ND	190	40	ug/kg	
100-02-7	4-Nitrophenol	ND	370	63	ug/kg	
87-86-5	Pentachlorophenol	ND	370	64	ug/kg	
108-95-2	Phenol	ND	75	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	43	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	35	ug/kg	
83-32-9	Acenaphthene	52200 ^a	750	220	ug/kg	
208-96-8	Acenaphthylene	1560	37	12	ug/kg	
120-12-7	Anthracene	25100 ^a	750	260	ug/kg	
56-55-3	Benzo(a)anthracene	7750 ^a	750	240	ug/kg	
50-32-8	Benzo(a)pyrene	3270	37	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	3100	37	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1180	37	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	1310	37	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	75	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	75	22	ug/kg	
91-58-7	2-Chloronaphthalene	ND	75	12	ug/kg	
106-47-8	4-Chloroaniline	ND	190	12	ug/kg	
86-74-8	Carbazole	7010 ^a	1500	350	ug/kg	
218-01-9	Chrysene	7450 ^a	750	250	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	75	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	75	11	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-12	Date Sampled:	05/14/10
Lab Sample ID:	JA46609-11	Date Received:	05/14/10
Matrix:	SO - Soil	Percent Solids:	75.9
Method:	SW846 8270C SW846 3550B		
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	75	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	75	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	75	11	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	75	10	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	75	8.3	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	75	16	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	75	14	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	190	9.5	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	389	37	13	ug/kg	
132-64-9	Dibenzofuran	42500 ^a	1500	220	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	75	8.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	75	18	ug/kg	
84-66-2	Diethyl phthalate	ND	75	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	75	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	75	33	ug/kg	
206-44-0	Fluoranthene	47500 ^a	750	330	ug/kg	
86-73-7	Fluorene	40800 ^a	750	250	ug/kg	
118-74-1	Hexachlorobenzene	ND	75	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	10	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	750	38	ug/kg	
67-72-1	Hexachloroethane	ND	190	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1100	37	13	ug/kg	
78-59-1	Isophorone	ND	75	10	ug/kg	
91-57-6	2-Methylnaphthalene	74200 ^b	15000	4200	ug/kg	
88-74-4	2-Nitroaniline	ND	190	16	ug/kg	
99-09-2	3-Nitroaniline	ND	190	15	ug/kg	
100-01-6	4-Nitroaniline	ND	190	15	ug/kg	
91-20-3	Naphthalene	310000 ^b	7500	2000	ug/kg	
98-95-3	Nitrobenzene	ND	75	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	75	9.1	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	22	ug/kg	
85-01-8	Phenanthrene	130000 ^b	7500	3400	ug/kg	
129-00-0	Pyrene	33500 ^a	750	290	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	75	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	39%	42%	0% ^c	30-109%
4165-62-2	Phenol-d5	44%	47%	0% ^c	28-108%
118-79-6	2,4,6-Tribromophenol	51%	47%	0% ^c	28-125%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PO-11-12				
Lab Sample ID:	JA46609-11		Date Sampled:	05/14/10	
Matrix:	SO - Soil		Date Received:	05/14/10	
Method:	SW846 8270C SW846 3550B		Percent Solids:	75.9	
Project:	Queens West, Parcel 8, 47th Road, Long Island City, NY				

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
4165-60-0	Nitrobenzene-d5	50%	48%	0% ^c	28-113%
321-60-8	2-Fluorobiphenyl	43%	61%	0% ^c	38-107%
1718-51-0	Terphenyl-d14	52%	72%	0% ^c	31-116%

- (a) Result is from Run# 2
- (b) Result is from Run# 3
- (c) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job # JA46609
Client / Reporting Information Company Name: PLS Street Address: 158 W 29th St. City: NY NY State: 10001 Project Contact: S. Panter Phone #: (212) 675-3225 Sampler(s) Name(s): K Borsky	
Project Information Project Name: Parcel B - Post-Pilot Street: 42nd Rd / Chr Blvd City: LIC State: NY Project #: 10011-017-4 Client Purchase Order #: SP	
Requested Analysis (see TEST CODE sheet) Matrix Codes: DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank	
LAB USE ONLY EX56, 19 K6, 9-23	
Turnaround Time (Business days) ☐ Std. 15 Business Days ☒ Std. 10 Business Days (by Contract only) ☒ 10 Day RUSH ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY Emergency & Rush T/A data available via Lablink	
Approved By (Accutest PM): / Date: _____	
Data Deliverable Information ☐ Commercial "A" (Level 1) ☐ Commercial "B" (Level 2) ☐ FULLT1 (Level 3+4) ☐ NJ Reduced ☐ Commercial "C" ☐ NYASP Category A ☐ NYASP Category B ☐ State Forms ☐ EDD Format ☐ Other _____ Commercial "A" = Results Only Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary NYASP = Results + QC Summary + Panel Raw data	
Comments / Special Instructions prx# 14445 874	
Sample Custody must be documented below each time samples change possession, including courier delivery.	
Relinquished By: Kyle Borsky Date Time: 5/14/10	Received By: [Signature] Date Time: 5/14/10
Relinquished By: [Signature] Date Time: _____	Received By: [Signature] Date Time: _____
Relinquished By: _____ Date Time: _____	Received By: _____ Date Time: _____
Custody Seal # _____ ☐ Intact ☐ Not Intact Preserved where applicable ☐ On Ice ☒ Cooler Temp: 2.4°C	

JA46609: Chain of Custody

Page 1 of 3

Lab Name: Accutest Page of
 Received by (Print Name): Peter Dob. Log-in Date: 5/14/10
 Received by (Signature): Peter Dob.

Use Number:	N/A	CORRESPONDING			REMARKS: CONDITION OF SAMPLE SHIPMENT, ETC.
		NYSDEC SAMPLE #	SAMPLE TAG #	ASSIGNED LAB #	
LOG Number:	N/A				
AS Number:	N/A				
MARKS:					
Custody Seal(s)	Present/Absent* <u>(Present)</u>	N/A		JA46609	-1
Intact/Broken	<u>N/A</u>	N/A			-2
Custody Seal Numbers:	<u>N/A</u>	N/A			-3
Chain-of-Custody Records	Present/Absent* <u>(Present)</u>	N/A			-4
Contract Lab	Present/Absent* <u>(Present)</u>	N/A			-5
Sample Inform. Sheet (CLISIS)	<u>N/A</u>	N/A			-6
Airbill	Airbill/Sticker Present/Absent* <u>N/A</u>	N/A			-7
Airbill No.:	<u>N/A</u>	N/A			-8
Sample Tags	Present/Absent* <u>(Present)</u>	N/A			-9
Sample Tag Nos.	Listed/Not Listed on Chain-of-Custody <u>N/A</u>	N/A			-10
Sample Condition	Intact/Broken*/Leaking <u>(Intact)</u>	N/A			-11
Does Information on custody rec., CLSIS, & sample tags agree	<u>Yes</u>	N/A			
Date received at Lab:	<u>5/14/10</u>	N/A			
Time Received:	<u>14:20</u>	N/A			
Do aqueous VOC vials have headspace?	Yes/No* <u>(No)</u>	N/A			
Are preserved vocal samples fully immersed in preservative?	Yes/No* <u>(No)</u>	N/A			
Sample Transfer					
Location:	<u>See Internal</u>				
Lab #:	<u>Chain of Custody</u>				

JA46609: Chain of Custody
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Contract BTSR and attach record of resolution
 Reviewed By:
 Date:

Logbook No.: N/A
 Logbook Page No.: N/A



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA46609

Client:

Immediate Client Services Action Required: No

Date / Time Received: 5/14/2010

Delivery Method:

Client Service Action Required at Login: No

Project:

No. Coolers:

1

Airbill #'s:

Cooler Security

Y or N

Y or N

1. Custody Seals Present:	☒	☐	3. COC Present:	☒	☐
2. Custody Seals Intact:	☒	☐	4. Smpl Dates/Time OK	☒	☐

Cooler Temperature

Y or N

1. Temp criteria achieved:	☒	☐
2. Cooler temp verification:	Infrared gun	
3. Cooler media:	Ice (bag)	

Quality Control Preservation

Y or N

N/A

1. Trip Blank present / cooler:	☐	☐	☒
2. Trip Blank listed on COC:	☐	☐	☒
3. Samples preserved properly:	☒	☐	
4. VOCs headspace free:	☐	☐	☒

Sample Integrity - Documentation

Y or N

1. Sample labels present on bottles:	☒	☐
2. Container labeling complete:	☒	☐
3. Sample container label / COC agree:	☒	☐

Sample Integrity - Condition

Y or N

1. Sample recvd within HT:	☒	☐
2. All containers accounted for:	☒	☐
3. Condition of sample:	Intact	

Sample Integrity - Instructions

Y or N N/A

1. Analysis requested is clear:	☒	☐	
2. Bottles received for unspecified tests	☐	☒	
3. Sufficient volume recvd for analysis:	☒	☐	
4. Compositing instructions clear:	☐	☐	☒
5. Filtering instructions clear:	☐	☐	☒

Comments

Accutest Laboratories
V: 732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JA46609: Chain of Custody

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