

May 21, 2013

**PHASE II
ENVIRONMENTAL SITE
ASSESSMENT REPORT**

**224 East Main Street
City of New Rochelle
Westchester County, New York
(Section 1, Block 84, Lot 5)**

Prepared for

**FOREST CITY RESIDENTIAL GROUP
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1.0 INTRODUCTION

At the request of Forest City Residential Group, Inc. (Forest City), Roux Associates, Inc. (Roux Associates) performed a Phase II Environmental Site Assessment (Phase II ESA) of the property identified as The City Yard, located at 224 East Main Street in the City of New Rochelle, Westchester County, New York (Site) (Figure 1). This Phase II ESA was completed as part of the Echo Bay Center Redevelopment Project. The Phase II ESA included the collection and analysis of soil and groundwater samples from areas of the Site that were identified either as Recognized Environmental Conditions (RECs) or potential environmental concerns (PECs) during Roux Associates' August 2012 Phase I Environmental Site Assessment (ESA) of the Site as well as previous environmental reports and work plans obtained from Forest City. The Phase II ESA fieldwork was conducted between February 4 and February 28, 2013, in general accordance with the scope of work described in Roux Associates' proposal dated January 3, 2013. This report contains a discussion of the methods and findings of the Phase II ESA.

1.1 Objective of the Investigation

The objective of the Phase II ESA was to evaluate environmental quality at the Site by collecting and analyzing soil and groundwater samples from areas that were identified as RECs or PECs during Roux Associates' August 2012 Phase I ESA of the Site. The Phase I ESA identified eight RECs and three PECs.

Based on the results of the Phase I ESA process, Roux Associates identified the following RECs at the Site as defined by ASTM E1527-05:

- Open release cases: Three spill cases are open with the New York State Department of Environmental Conservation (NYSDEC) (Spill Nos. 10-11242, 01-01307 and 98-00763). The spill incidents pertain to the release into the subsurface of gasoline and fuel oil from former underground storage tanks (USTs) located between the vehicle storage building and the vehicle repair building.
- Four locations of staining indicative of a release: At the following locations, staining indicative of a release of petroleum products or hazardous substances was observed:
 - On the concrete floor underneath the oil burner's oil filter, in the basement of the Bureau of Streets and Highways office building. The concrete floor at that location was cracked and in poor condition.
 - On the concrete pad and underlying pavement of the outdoor gasoline storage shed abutting the stock room.

- On the concrete floor around the southernmost of two oil burners located in the boiler room in the rear (west) of the Bureau of Sanitation offices. The concrete floor at that location was cracked and in poor condition.
- On the ground at the location of an outdoor drum storage area, together with several one-gallon containers and associated potential spillage nearby. Grade at that location consisted at one time of the concrete floor of a building, now razed and overgrown with vegetation, making the concrete at that location cracked and easily permeated.
- Current fuel dispensers, and product piping: The integrity of the gasoline and diesel dispensers, and of the associated underground piping, is not known. As such, the fuel dispensers and underground piping pose a material threat of release of petroleum products to the subsurface.
- Closed release case: A spill occurred on 3/4/1998, when unknown petroleum product seeped into Long Island Sound from an embankment at the Site (NYSDEC Spill No. 97-13423), which is indicative of petroleum product in onsite subsurface media. The spill was closed on May 4, 1998. However, there was no indication of an investigation or remediation of onsite subsurface media in connection with the release in available records.
- Former petroleum USTs: Nine former USTs that stored motor oil, waste oil, fuel oil, gasoline and diesel fuel were installed at the time of construction of the vehicle repair garage and were reported with releases to the subsurface at the time of removal. The above-mentioned three open release cases and an additional five closed release cases are associated with these USTs.

One former 3,000-gallon No. 4 fuel oil UST was reported to service the vehicle storage garage and to have been removed, with exact location unknown. A former kerosene AST was also located in the central region of the Site, near the existing washdown station. The status and integrity of these storage tanks and associated piping is not known. As such, these tanks posed a material threat of subsurface contamination.

One former 2,000-gallon fuel oil UST was reportedly located in the rear (west) of the sanitation garage and removed. However, a vent pipe and two apparent ports to a subgrade void filled with rainwater were observed in a concrete platform in that area, indicative of a potential UST. The status and integrity of this storage tank and associated piping is not known. As such, this tank, whether still in place or removed, poses a material threat of subsurface contamination.

- Current onsite use for vehicle repair: Presently the southernmost building is used as a vehicle repair garage. One in-ground oil/water separator collects wastewater from the drainage system of the garage. The oil/water separator, associated drainage piping, and possibly an associated holding tank represent a material threat of release of hazardous substances and petroleum products into the subsurface. Additionally, in-ground lifts are present in the garage. The buried containers of hydraulic oil associated with the lifts, if any, pose a material threat of a release to the subsurface.

- Historic onsite uses: The Site was occupied by a boat yard in 1911, was operated as a Department of Public Works facility since 1917, included a sewage disposal plant that operated from 1926 until circa 1955 and serviced by outdoor transformers, and several onsite buildings have been used for vehicle repair, prior to construction of the existing vehicle repair garage in 1969. The occupants had reasons to handle hazardous substances or petroleum products during the conduct of operations. The potential exists for releases of hazardous substances or petroleum products into the subsurface media at the Site.
- Offsite sources of groundwater contamination: There are several current and historic, adjacent and nearby hydraulically upgradient properties with activities, conditions or incidents likely to cause or contribute to releases or threatened releases of hazardous substances and petroleum products. The collective potential exists for hazardous substances and petroleum products migration from these properties to the Site, particularly through groundwater migration.

In addition, Roux Associates has identified the following PECs at the Site:

- The Site is underlain by historic/urban fill material whose origin and environmental quality is unknown. In particular, a strip of fill material, approximately 50 feet wide, accreted along Echo Bay at or around the time of construction of the existing vehicle repair garage.
- A large amount of soil and debris has been placed between the recycling yard and the vehicle storage garage. No documentation was provided for the environmental quality of this debris.
- *De minimis* staining resulting from poor housekeeping was observed in the vehicle repair garage and throughout the outdoor paved and unpaved areas, including those used for the staging of fleet vehicles.

2.0 SITE BACKGROUND AND DESCRIPTION

The Site location is depicted on Figure 1. The Site is approximately 6.4 acres in size and is occupied by the City of New Rochelle Department of Public Works. The Site was improved with several buildings constructed as early as 1917. The Site is utilized by the City of New Rochelle Public Works Department as a yard for the storage and repair of vehicles including street sweepers and earthen fleet vehicles. Additionally, kerosene, gasoline and diesel fuel are dispensed at the Site.

Certain glass, plastic and metal household items are staged in the northwest region of the Site as part of the City of New Rochelle's recycling program for commingled waste. Fleet vehicles and a large salt pile are staged within an unpaved southeastern region of the Site. All Departments within the City of New Rochelle have official vehicles serviced at the Site, with the sole exception of the Fire Department.

The Site is situated within a generally commercial area along both sides of Main Street, with detached residential homes properties to the north of Main Street. The New Rochelle wastewater treatment plant, located to the east of the Site across Echo Bay, is the only major non-commercial facility immediately surrounding the Site.

Historically, separate phase hydrocarbon (SPH) has been identified at the Site as a result of previous releases. There are seven closed and three active NYSDEC Spill Numbers assigned to the Site. Details on the active spill numbers are as follows:

- **Active Spill No. 10-11242** – According to available records, the spill occurred on February 8, 2011 due to tank test failure of a 5,000-gallon No. 2 fuel oil UST. The UST was removed on or about February 23, 2011, and a work plan for remedial work submitted to NYSDEC by the tank removal contractor.
- **Active Spill Nos. 01-01307 and 98-00763** – According to database records, these spill incidents are treated as one spill incident by the NYSDEC. Spill No. 9800763 occurred on April 17, 1998 due to a tank test failure of a 2,000-gallon gasoline UST. This tank and additional USTs were reportedly removed from a gasoline tank area in April 1998. Spill No. 01-01307 occurred on 5/1/2001 when soil contaminated with gasoline was encountered during onsite intrusive work of unspecified nature. A spill investigation report was submitted to NYSDEC on October 13, 2002 that included the installation of six groundwater monitoring wells and the recommendation to perform a pilot study for a suitable remediation technology. A soil vapor extraction/air sparge test was performed by November 2004. Both spills are currently active. A further subsurface investigation

was requested by the NYSDEC in the area with former gasoline USTs, which was completed on December 4, 2006. The subsurface investigation identified “heavy contamination” in that area. On March 9, 2007, a work plan for the investigation of groundwater was requested by NYSDEC for the former tank area.

2.1 Previous Environmental Investigations

Multiple previous environmental studies have been conducted at the Site, a summary of pertinent investigations is provided below.

UST Closure Report, Ira D. Conklin & Sons, Inc., May 21, 2002

Ira D. Conklin (IDC) was contracted by The City of New Rochelle to conduct a UST closure during April 2002. The closure report documented the following:

- Excavation and disposal of one 2,500-gallon waste oil UST.
- Scanning of the soil with a Photoionization detector (PID) to determine volatile organic vapor levels.
- Collection of post-excavation soil samples from the UST excavation for laboratory analysis.
- Compilation/analysis of the site data and the preparation of a UST Closure Report.

The findings of the site assessment, UST removal and soil analytical results were as follows:

- One (1) 2,500-gallon waste oil UST was removed from the Site.
- Final soil screening and laboratory analysis did detect slightly elevated levels of semivolatile organic compounds within the walls and UST excavation.

IDC recommended a passive course of remediation utilizing natural attenuation and that further action would solely be at the discretion of the Westchester County Department of Health.

Report of Groundwater and Soil Investigation for Petroleum Contamination, HydroEnvironmental Solutions, Inc., August 2002

HydroEnvironmental Solutions, Inc. (HES) conducted a subsurface investigation at the Site during July 2002. The investigation was performed for the City of New Rochelle in response to Spill Number 98-03810 and included drilling of seven on-site test borings, installation of monitoring wells at the test boring locations, collection of soil and groundwater samples for laboratory analysis and permeability testing at each of the monitoring wells. The purpose of the

investigation was to delineate the extent of petroleum hydrocarbon impacted soil and groundwater related to the operation of a municipal garage and refueling facility at the Site.

Test borings were completed to depths of 10.3 to 20 feet below land surface (ft-bls). All test borings encountered fill comprised mainly of gravel in a sandy, silty matrix. Groundwater was encountered at 7-10 ft-bls in the test borings. Monitoring wells were installed to completion depths ranging from 10 to 20 ft-bls.

Based on the analytical results, HES concluded that adsorbed benzene, toluene, ethylbenzene and total xylenes (BTEX) compounds were present in subsurface soils and dissolved BTEX and methyl tertiary butyl ether (MTBE) were present in groundwater beneath the Site. Free-phase liquid hydrocarbon was documented in one of the six monitoring wells. The results of field Volatile Organic Compound (VOC) vapor screening of drill cuttings and soil samples and the results of laboratory analysis of soil and groundwater samples, suggest that the majority of hydrocarbon impact is restricted to the westerly portion of the Site. In addition, a buried, former seawall may be impeding downgradient transport of the hydrocarbons. HES also determined that the moderate to low hydraulic conductivity, as determined by slug tests, may also restrict downward transport of dissolved petroleum hydrocarbons.

HES concluded that the range of hydraulic conductivities, as seen beneath the Site, is suitable for remediation technologies such as soil vapor extraction (SVE), dual-phase high vacuum extraction (DPHVE), and/or air sparging (AS) and suggested that a pilot study be conducted to determine which remedial alternative will be most suitable. Based on the findings of the subsurface investigation HES made the following recommendations:

- A quarterly groundwater monitoring and sampling program to document the fluctuations in dissolved VOCs over time, and free product accumulation in monitoring well MW-2.
- Weekly free-phase product collection from monitoring well MW-2, with the collection reduced to semi-monthly or monthly depending on the rate of recovery.
- Determine the impact, if any, of the documented spill on the bedrock aquifer. HES recommended drilling a test boring into the bedrock adjacent to three of the existing monitoring wells.
- Complete a multi-technology pilot study to determine which remedial technology will prove the most appropriate for remediation of the documented gasoline spill.

*Remedial Feasibility Test Summary Report,
Groundwater & Environmental Services, Inc., January 25, 2005*

Groundwater & Environmental Services, Inc. (GES) conducted remedial feasibility testing at the Site on November 30, 2004. GES conducted the testing activities to determine the most appropriate remedial technology in order to effectively remediate hydrocarbon impacted soil and groundwater at the Site. For testing purposes, the site was divided into two areas, one located in front of the pump islands, and the other near the oil water separator. To assess and monitor these areas, GES installed additional observation wells and sparge wells. The feasibility testing activities conducted during the event were as follows:

- A SVE test at monitoring well MW-2;
- An AS/SVE test at monitoring well MW-2 and air sparge well SP-1;
- A SVE test at monitoring well MW-3;
- A SVE test at monitoring well MW-1; and
- An AS/SVE test at monitoring well MW-1 and air sparge well SP-2.

Pilot testing activities indicated that relatively permeable soil conditions exist in the vadose zone at the Site. Based on the site characterization and feasibility testing, GES recommended implementation of a SVE system for the areas around MW-2 and MW-3. According to GES, the SVE system would address the vadose zone impacts above the water table, but would have limited influence in the saturated zone and therefore suggested that additional technologies may need to be evaluated to address the groundwater impacts.

3.0 METHODS OF INVESTIGATION

The Phase II ESA was conducted in accordance with the scope of work described in Roux Associates' proposal dated January 3, 2013 (Proposal). Sampling locations are provided on Plate 1.

The Phase II ESA included installing 16 soil borings, the collection and analysis of 21 soil samples, the installation of two groundwater monitoring wells, and the collection of 11 groundwater samples (consisting of samples from eight existing wells, two newly installed monitoring wells, and one groundwater grab sample). All analytical samples were sent to Accutest Laboratories, Inc. a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory, located in Dayton, New Jersey under chain of custody procedures. All analyses were performed in accordance with the NYSDEC Analytical Services Protocol (ASP) using United States Environmental Protection Agency (USEPA) SW-846 Methods.

A description of the field investigation procedures is provided below. Soil Boring and Monitoring Well construction logs are provided in Appendix A and a full copy of the Laboratory Data Package is provided electronically on CD in Appendix B.

3.1 Soil Investigation Scope of Work Summary

The following sections discuss the methodologies for the soil boring installation, and soil sample collection.

3.1.1 Soil Boring Installation

Soil boring installation and soil sampling were conducted in accordance with the scope of work as outlined in the Proposal and in accordance with Roux Associates' Standard Operating Procedures. Soil borings were installed at the locations shown on Plate 1. The soil boring locations were selected to assess the RECs identified in the August 2012 Phase I ESA. The rationale for selecting each boring location is provided in the table below:

Area of Concern	Soil Boring	Rationale
Vehicle Storage Garage	SB-3 and SB-9	Determine if past and current operations impacted soil and groundwater quality
Automotive Repair Garage	SB-13 and SB-14	Determine if past and current operations impacted soil and groundwater quality
Historic USTs, Closed and Open Spills, and Current Fuel Dispensers and Product Piping	SB-7, SB-10, SB-12, SB-13, SB-14	Determine if spills from former USTs and current fuel dispensers and product piping have impacted soil and groundwater quality
Truck Wash-down Station /Historic Kerosene AST	SB-6	Determine if soil and groundwater quality has been impacted by the vehicle wash process
Truck Wash-down Station (observed during site visit on February 13, 2012)	SB-7	Determine if soil and groundwater quality has been impacted by the vehicle wash process
Segmented Building	SB-1, SB-2, SB-4	Determine if past and current operations have impacted soil and groundwater quality
Historic On-site Uses including Sewage Treatment Plant	SB-11, SB-16	Determine if past operations have impacted soil and groundwater quality
Recycling Yard	SB-5	Determine if operations of the recycling yard have impacted soil and groundwater quality

Soil borings were advanced into groundwater (or to the depth of refusal) using a Geoprobe Drill rig. During soil boring installation, Geoprobe sample cores were collected continuously in five foot increments. Each increment was collected in a new, disposable acetate sleeve. Soil samples in the acetate sleeve were separated into two-foot intervals for geologic logging, visual inspection, and laboratory analysis, when necessary.

All soil samples were field screened for VOCs using a PID and were inspected for evidence of contamination (eg. odors, staining, and visible free product). The lithology of the soil was recorded according to the Unified Soils Classification System (USCS). A minimum of one soil sample was collected for laboratory analysis from of each soil boring. If soil contamination was observed, an additional deeper soil sample that was perceived to not be impacted was collected. In total 21 soil samples were collected and analyzed for the following analytical parameters:

- Target Compound List (TCL) VOCs – USEPA Method 8260;

- TCL semivolatile organic compounds (SVOCs) – USEPA Method 8270; and
- Total Analyte List (TAL) Metals – USEPA Method 6010.

Additionally, six soil samples were also analyzed for the presence of pesticides and polychlorinated biphenyls (PCBs) per USEPA Methods 8081 and 8082, respectively.

3.2 Groundwater Investigation

Two soil borings (SB-5 and SB-16) were converted to groundwater monitoring wells (RX-1 and RX-2) at the locations shown on Plate 1. These wells were installed to depths varying from 17 feet below land surface (ft bls) (RX-1) to 18 ft bls (RX-2).

The monitoring wells were constructed of two-inch diameter, 10-slot (0.010 inch) schedule 40 polyvinyl chloride (PVC), well screen and two inch diameter solid PVC riser casing. Monitoring well RX-1 was installed at 17 feet bls and constructed of 15 feet of well screen and four feet of riser. Monitoring well RX-2 was installed at 18 feet bls and constructed with 15 feet of well screen and three feet of riser. At land surface, the wells were completed with flush-mount steel manholes and locking monitoring well plugs. Monitoring well construction details are provided in Appendix A. Following installation, the monitoring wells were developed to promote good hydraulic conductivity with the aquifer by removing a minimum of 10 well volumes of water. Additionally, existing monitoring wells previously installed by others were located, inspected, gauged and where appropriate, redeveloped. Following development, each monitoring well was surveyed for horizontal and vertical coordinates by a New York State licensed surveyor.

One week after development, on February 27, 2013 all existing and newly installed monitoring wells were sampled as part of the Phase II. Additionally, a comprehensive gauging event was performed in conjunction with the sampling event to determine groundwater flow direction beneath the Site. Each existing and newly installed monitoring well was gauged using an oil-water interface probe capable of detecting SPH thickness of 0.01 feet. Data generated during the gauging event is presented on Table 1. Groundwater elevations and inferred groundwater flow direction are depicted on Figure 2.

Prior to sample collection, at least three casing volumes of water were purged from each well using a pump equipped with new, dedicated tubing at each well location. Water was purged at a rate between 250 and 450 milliliters per minute. All purge water was collected and contained in a labeled 55-gallon drum temporarily stored onsite. Field parameters, including pH, conductivity, turbidity, dissolved oxygen (DO), temperature, and oxygen-reduction potential (ORP) were measured using a portable Horiba multi-parameter water quality instrument. Field parameters were collected after each casing volume of water was removed and at the time of sample collection. A summary of field parameter measurements collected at the time of sampling is provided in Table 2.

All samples were then sealed, properly labeled with all relevant information, and immediately placed into an ice-filled cooler. Once groundwater sampling was completed, all samples were then sent via courier under chain of-custody procedures to Accutest Laboratories and were analyzed for:

- TCL VOCs – USEPA Method 8260;
- TCL SVOCs – USEPA Method 8270; and
- TAL Metals – USEPA Method 6010 (both Total and Dissolved).

Additionally, four groundwater samples were also analyzed for the presence of pesticides and PCBs per USEPA Methods 8081 and 8082, respectively.

In addition to the groundwater samples collected from the monitoring wells, a groundwater sample was collected during the installation of boring SB-3 and was analyzed for the same parameters listed above. The Groundwater sample was collected from the boring using a temporary one-inch diameter 20 slot (0.020-inch) well screen. Groundwater within the borehole was purged by means of a peristaltic pump and disposable polyethylene tubing. Both a filtered and unfiltered groundwater sample was submitted for analysis of TAL metals from SB-3.

4.0 PHASE II ESA RESULTS

Work completed as part of this Phase II ESA included the collection and analysis of soil and groundwater samples. The following sections provide a discussion of the results.

4.1 Site Geology

The Site is immediately underlain by a thin generally continuous layer of historic fill material (consisting of sand, gravel, rock fragments, brick fragments, and other manmade materials) ranging in thickness from 1 to 15 feet. Underlying this fill material in most locations is sand with varying amounts of silt and/or gravel (glacial till) that ranges in thickness from 1 to 10 feet. The glacial till layer is thicker in the southern portion of the Site and generally decreases in thickness in the northern and northwest portions of the Site. Below the glacial till layer, weathered bedrock is encountered. In several borings in the northwest portion of the City Yard the top of weathered bedrock was encountered at depths as shallow as 1 foot below land surface (bls).

Depth to groundwater at the Site ranges from approximately 5 feet bls to 10 feet bls.

4.2 Soil Investigation

The following sections present the results of the soil sampling. These results have been compared to two different criteria that are considered relevant:

- NYSDEC's 6 New York Code of Rules and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives as presented in the Environmental Remediation Program Document effective December 14, 2006 (hereinafter referred to as "Unrestricted Use SCOs"); and
- NYSDEC's 6 NYCRR Part 375 Restricted Residential Use Soil Cleanup Objectives as presented in the Environmental Remediation Program Document effective December 14, 2006 (hereinafter referred to as "Restricted Residential SCOs").

Soil sample analytical results are provided in Tables 3 through 8, compared to both Unrestricted Use SCOs (exceedances are bold) and Restricted Residential SCOs (exceedances are shaded in grey). Soil sample exceedances of both the Unrestricted and Restricted Residential SCOs are presented on Plate 2. A detailed discussion of the analytical results is presented below.

4.2.1 Volatile Organic Compounds

Eight soil samples from seven locations had concentrations of VOCs above the Unrestricted SCOs. The following is a list of the VOCs that exceeded the Unrestricted SCOs in one or more samples:

- Acetone – ranged from no detection to 158 micrograms per kilogram (µg/kg) (SB-7 [7-9]); and exceeded the Unrestricted SCOs of 50 µg/kg in two of the samples analyzed. Note that acetone is a common laboratory contaminant.
- Benzene – ranged from no detection to 7,480 µg/kg (SB-12 [10-12]); and exceeded the Unrestricted SCOs of 60 µg/kg in five of the samples analyzed.
- Chlorobenzene – ranged from no detection to 5,370 µg/kg (SB-11 [17-19]); and exceeded the Unrestricted SCOs of 1100 µg/kg in one of the samples analyzed.
- Ethylbenzene – ranged from no detection to 23,500 µg/kg (SB-13 [7-9]); and exceeded the Unrestricted SCOs of 1000 µg/kg in four of the samples analyzed.
- Xylenes (total) – ranged from no detection to 52,900 µg/kg (SB-13 [7-9]); and exceeded the Unrestricted SCOs of 206 µg/kg in five of the samples analyzed.

The only VOC to exceed the less stringent Restricted Residential SCOs was benzene in one location. Benzene exceeded the Restricted Residential SCO in sample SB-12 (10-12 foot interval) with a concentration of 7,480 µg/kg (the Restricted Residential SCO for benzene is 4,800 µg/kg).

4.2.2 Semivolatile Organic Compounds

Six soil samples from six locations had SVOC concentrations above applicable Unrestricted SCOs. The following is a list of SVOCs that exceeded the Unrestricted SCOs in one or more samples:

- Benzo[a]anthracene – ranged from no detection to 20,100 µg/kg (SB-9 [0-2]); and exceeded the Unrestricted SCOs of 1000 µg/kg in five of the samples analyzed.
- Benzo[a]pyrene – ranged from no detection to 15,800 µg/kg (SB-9 [0-2]); and exceeded the Unrestricted SCOs of 1000 µg/kg in four of the samples analyzed.
- Benzo[b]fluoranthene – ranged from no detection to 21, µg/kg (SB-9 [0-2]); and exceeded the Unrestricted SCOs of 1000 µg/kg in five of the samples analyzed.
- Benzo[k]fluoranthene – ranged from no detection to 15,700 µg/kg (SB-9 [0-2]); and exceeded the Unrestricted SCOs of 800 µg/kg in four of the samples analyzed.

- Chrysene – ranged from no detection to 17,900 µg/kg (SB-9 [0-2]); and exceeded the Unrestricted SCOs of 1000 µg/kg in five of the samples analyzed.
- Dibenzo[a,h]anthracene – ranged from no detection to 5010 µg/kg (SB-6 [0-2]); and exceeded the Unrestricted SCOs of 330 µg/kg in four of the samples analyzed.
- Indeno[1,2,3-cd] pyrene – ranged from no detection to 10200 µg/kg (SB-6 [0-2]); and exceeded the Unrestricted SCOs of 330 µg/kg in five of the samples analyzed.
- Naphthalene – ranged from no detection to 32600 µg/kg (SB-13 [7-9]); and exceeded the Unrestricted SCOs of 12000 µg/kg in one of the samples analyzed.

With the exception of naphthalene, all of the SVOCs listed above also exceeded the less stringent Restricted Residential SCOs in one or more samples. These compounds are all polycyclic aromatic hydrocarbons (PAHs), and are indicative of historic fill, and common in urban environments.

4.2.3 Metals

Nine soil samples from eight locations had concentrations of metals above applicable Unrestricted SCOs. The following is a list of metals that exceeded the Unrestricted SCOs in one or more samples:

- Chromium – ranged from no detection to 41 milligrams per kilogram (mg/kg) (SB-16[16-18]) and exceeded the Unrestricted SCOs of 30 mg/kg in four of the samples analyzed
- Copper – ranged from 10.9 mg/kg (SB-5[10-12]) to 86.8 mg/kg (SB-16[8-10]) and exceeded the Unrestricted SCOs of 50 mg/kg in six of the samples analyzed
- Lead – ranged from 4.3 mg/kg (SB-10[14-16]) to 423 mg/kg (SB-4[0-2]) and exceeded the Unrestricted SCOs of 50 mg/kg in seven of the samples analyzed
- Mercury – ranged from no detection to 0.44 mg/kg (SB-1[0-2]) and exceeded the Unrestricted SCOs of 0.18 mg/kg in two of the samples analyzed
- Nickel – ranged from 12.1 mg/kg (SB-7[10-12]) to 35.9 mg/kg (SB-17[0.2-0.2]) and exceeded the Unrestricted SCOs of 30 mg/kg in two of the samples analyzed
- Zinc – ranged from 24.6 mg/kg (SB-10[14-16]) to 318 mg/kg (SB-11[17-19]) and exceeded the Unrestricted SCOs of 109 mg/kg in seven of the samples analyzed

The only metal to exceed the less stringent Restricted Residential SCOs was lead at one location. Lead exceeded the Restricted Residential SCO in sample SB-4 (0-2 foot interval) with a

concentration of 423 mg/kg (the Restricted Residential SCO for lead is 400 mg/kg). Note metals naturally occur in soils and are often times above applicable standards. Additionally, metals are often times found in historic fill above applicable standards.

4.2.4 Polychlorinated biphenyls

Total PCBs were detected in one soil sample (SB-3 [0-2]) at a concentration of 68 µg/kg. This consisted entirely of Aroclor-1260, and is below the NYSDEC Unrestricted SCOs of 100 µg/kg for total PCBs.

4.2.5 Pesticides

Four soil samples from four locations had concentrations of pesticides above applicable Unrestricted SCOs. The following is a list of pesticides that exceeded the Unrestricted SCOs in one or more samples:

- 4,4'-DDD – Ranged from no detection to 15.6 µg/kg (SB-11[17-19]) and exceeded the Unrestricted SCOs of 3.3 µg/kg in four of the samples analyzed.
- 4,4'-DDE – Ranged from no detection to 10.1 µg/kg (SB-11[17-19]) and exceeded the Unrestricted SCOs of 3.3 µg/kg in three of the samples analyzed.
- 4,4'-DDT – Ranged from no detection to 41 µg/kg (SB-17[0.2-0.2]) and exceeded the Unrestricted SCOs of 3.3 µg/kg in two of the samples analyzed.

None of the pesticides exceeded the Restricted Residential SCOs.

4.3 Groundwater Investigation

The following subsections present the results of the groundwater gauging and groundwater quality sampling.

4.3.1 Groundwater Gauging and Flow Direction

A groundwater gauging round was completed prior to the collection of the groundwater analytical samples. The depth to groundwater ranged from approximately 5 ft bls to 10 ft bls. Table 1 provides the groundwater gauging data and corrected groundwater elevation for each well.

The groundwater elevations at the Site suggest an east-southeast groundwater flow direction; however, it is likely that the groundwater flow direction varies due to tidal fluctuations. Figure 2 shows the groundwater elevations and the inferred groundwater flow direction.

Separate phase hydrocarbons were detected in two monitoring wells during initial gauging activities: MW-1 and OB-1A at a thickness of 0.57 feet and 0.07 feet respectively. Additionally, following low flow purging completed as part of the groundwater sampling activities, SPH was identified in well MW-2 with a thickness of 0.04 feet, and an SPH sheen was identified in well RX-2.

4.3.2 Groundwater Analytical Results

Groundwater samples were collected from ten monitoring wells (two wells installed by Roux Associates and eight wells previously installed by others) and from one soil boring. With the exception of well SP-2, all wells sampled are shallow, constructed with well screens bridging the water table. Well SP-2 was installed by GES as a former sparge pilot testing well. This well is constructed with a deeper screen zone from 18 to 20 feet bls. A groundwater sample was collected from this well to evaluate deep groundwater in this portion of the Site. The groundwater samples were analyzed for VOCs, SVOCs, pesticides, PCBs, and metals (both dissolved and total). The groundwater analytical samples were compared to the New York State Class GA groundwater standards, presented in the Division of Water – Technical and Operational Guidance Series (1.1.1) “Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations,” NYSDEC, 1998 as amended in April 2000 (AWQSGVs). The groundwater analytical results are presented in Tables 11 through 16 with AWQSGV exceedances shown in bold. In addition analytical results which exceeded the AWQSGVs are summarized on Plate 3.

4.3.2.1 Volatile Organic Compounds

Exceedances of the AWQSGVs for VOCs were identified in three of the groundwater samples submitted for laboratory analysis. The following is a list of VOC exceedances.

- Benzene – ranged from no detection to 80.2 micrograms per liter (µg/L) (MW-1); and exceeded the AWQSGVs of 1 µg/L in three of the samples analyzed.

- Ethylbenzene – ranged from no detection to 209 µg/L (MW-1); and exceeded the AWQSGVs of 5 µg/L in two of the samples analyzed.
- Isopropylbenzene – ranged from no detection to 19.6 µg/L (MW-1); and exceeded the AWQSGVs of 5 µg/L in two of the samples analyzed.
- M+P xylenes – ranged from no detection to 462 µg/L (MW-1); and exceeded the AWQSGVs of 5 µg/L in one of the samples analyzed.
- o-xylene – ranged from no detection to 136 µg/L (MW-1); and exceeded the AWQSGVs of 5 µg/L in one of the samples analyzed.
- Toluene – ranged from no detection to 32.8 µg/L (MW-1); and exceeded the AWQSGVs of 5 µg/L in one of the samples analyzed.
- Xylenes (total) – ranged from no detection to 598 µg/L (MW-1); and exceeded the AWQSGVs of 5 µg/L in two of the samples analyzed.

4.3.2.2 Semivolatile Organic Compounds

The following is a list of SVOC exceedances of the AWQSGVs:

- Benzo[a]anthracene – ranged from no detection to 1.2 µg/L (MW-2); and exceeded the AWQSGV of 0.002 µg/L in one of the samples analyzed.
- Benzo[a]pyrene – ranged from no detection to an estimated 0.18 µg/L (MW-2); and exceeded the AWQSGV of 0 µg/L in one of the samples analyzed.
- Benzo[b]fluoranthene – ranged from no detection to an estimated 0.7 µg/L (MW-2); and exceeded the AWQSGV of 0.002 µg/L in one of the samples analyzed.
- Benzo[k]fluoranthene – ranged from no detection to an estimated 0.84 µg/L (MW-2); and exceeded the AWQSGV of 0.002 µg/L in one of the samples analyzed.
- Chrysene – ranged from no detection to 1.3 µg/L (MW-2); and exceeded the AWQSGV of 0.002 µg/L in one of the samples analyzed.
- Napthalene – ranged from no detection to 73.4 µg/L (MW-1); and exceeded the AWQSGV of 10 µg/L in one of the samples analyzed.

4.3.2.3 Metals

The following is a list of metals exceedances of the AWQSGVs:

- Cadmium – ranged from no detection to 8.4 µg/L (RX-1); and exceeded the AWQSGV of 5 µg/L in one of the samples analyzed.
- Iron – ranged from no detection to 20,300 µg/L (MW-1); and exceeded the AWQSGV of 300 µg/L in 11 of the samples analyzed.

- Lead – ranged from no detection to 86.8 µg/L (RX-1); and exceeded the AWQSGV of 25 µg/L in three of the samples analyzed.
- Manganese – ranged from no detection to 7,170 µg/L (RX-1); and exceeded the AWQSGV of 300 µg/L in seven of the samples analyzed.
- Sodium – ranged from 114,000 (MW-7) to 7,460,000 µg/L (RX-2); and exceeded the AWQSGV of 20,000 µg/L in all 11 samples analyzed.

4.3.2.4 Polychlorinated biphenyls

PCBs were not detected in any of the groundwater samples analyzed.

4.3.2.5 Pesticides

Only one pesticide (4,4'-DDD) was detected in one of the samples analyzed (RX-1) at a concentration below its applicable AWQSGV.

5.0 CONCLUSIONS

Based on the results of the Phase II ESA, Roux Associates' conclusions related to environmental conditions at the Site are as follows.

- Exceedances of the Unrestricted SCOs for VOCs occurred at five soil boring locations (excluding exceedances of acetone which is likely a laboratory contaminant). These exceedances were limited to petroleum related VOCs and with one exception (SB-4), these soil borings were located proximate to the historic USTs and/or the current fuel dispensers and are likely associated with known releases of the UST/fuel dispensing system currently under the NYSDEC Spills Program.

The exceedance of xylenes observed in boring SB-4 (0 to 2 foot bls interval) is likely associated with de minimis conditions resulting from poor housekeeping and is not indicative of a larger release.

- There were multiple exceedances of both the Unrestricted and Restricted Residential SCOs for SVOCs; however, these exceedances were limited to PAHs, and are indicative of historic fill, common in urban environments. Similarly, the observed exceedances of metals in soil samples are also likely attributable to historic fill.
- Exceedances for pesticides were noted in four soil samples. These exceedances were limited to DDD, DDE and DDT and are likely the result of past use of pesticides at the Site.
- The groundwater exceedances noted are primarily limited to petroleum related VOCs and metals. The samples with the petroleum related VOC exceedances are located in and around the historic UST area/current fuel dispensing system and are likely associated, along with the measurable detections of SPH, with the known releases currently under the NYSDEC Spills Program.

The exceedances of metals in the groundwater are primarily, limited to iron, manganese and sodium. The iron, manganese and sodium (saline conditions) concentrations are likely the result of natural groundwater conditions. The sodium concentrations may also be attributable to the stock piles of road salt located in the eastern section of the Site.

6.0 LIMITATIONS OF INVESTIGATION

This report, including the appendices and figures attached thereto, describes the results of Roux Associates' Phase II ESA to evaluate soil and groundwater quality involving or affecting the Site. Roux Associates has performed this Phase II environmental investigation in a professional manner using the degree of skill and care exercised for similar projects under similar conditions by reputable and competent environmental consultants. There is no warranty, expressed or implied, that the user of this environmental report will qualify for the Innocent Landowner Defense, as provided through the Superfund Amendments and Reauthorization Act.

Roux Associates, its officers, and its employees have no present or contemplated interest in the property or the parties involved. Our employment and compensation for preparing this report are not contingent upon any action or event resulting from analyses, observations, findings, opinions, or conclusions in or from the use of this report. Roux Associates shall not be responsible for conditions or consequences arising from relevant facts that were concealed, withheld, or not fully disclosed at the time the Phase II environmental investigation was performed.

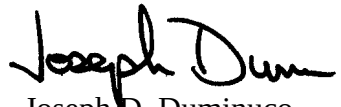
This report is not an appraisal or property value judgment. Roux Associates will not be held liable for any use of this report that results in property value loss or gain.

This report has been prepared for the exclusive use of the client named herein (Forest City Residential Group, Inc.) for specific application to the proposed project covered in this study. Any third party use of this report beyond that of the client named herein is the sole responsibility of the client.

Respectfully submitted,
ROUX ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read 'R Kovacs', with a stylized, flowing script.

Robert Kovacs
Senior Environmental Scientist

A handwritten signature in black ink, appearing to read 'Joseph D. Duminuco', with a stylized, flowing script.

Joseph D. Duminuco
Principal Hydrogeologist/
Vice President

Phase II Environmental Site Assessment (Phase II ESA)
224 East Main Street, New Rochelle, New York

TABLES

Table 1. Monitoring Well Gauging Data, February 2013, 224 East Main Street, New Rochelle, New York

Well Designation	Date	Measuring Point Elevation (feet above msl)	Depth to Water (feet below measuring point)	Depth to Free Product (feet below measuring point)	Corrected Water Table Elevation (feet above msl)	Free Product Elevation (feet above msl)	Product Thickness (feet)
MW-1	2/27/2013	11.98	6.19	5.62	5.79	6.36	0.57
MW-2	2/27/2013	10.31	6.33	-	3.98	-	-
MW-4	2/27/2013	8.43	6.41	-	2.02	-	-
MW-5	2/27/2013	7.82	6.29	-	1.53	-	-
MW-7	2/27/2013	12.91	5.16	-	7.75	-	-
MW-8	2/27/2013	10.95	7.45	-	3.50	-	-
MW-10	2/27/2013	9.89	7.09	-	2.80	-	-
OB-1	2/27/2013	11.73	4.82	-	6.91	-	-
OB-1A	2/28/2013	12.24	4.77	4.70	7.47	7.54	0.07
SP-2	2/27/2013	12.21	5.79	-	6.42	-	-
RX-1	2/27/2013	13.57	9.60	-	3.97	-	-
RX-2	2/27/2013	9.13	7.40	-	1.73	-	-

msl - Mean sea level

Table 2. Summary of Groundwater Field Measurements, February 2013, 224 East Main Street, New Rochelle, New York

Parameter Monitoring Well	pH (Standard Units)	Conductivity (mS/cm)	Turbidity (NTU)	Temperature (°C)	Dissolved Oxygen (mg/L)	ORP (mV)
MW-1	6.9	2.17	0.0	12.34	0.72	-201
MW-2	7.25	19.6	21.5	11.72	0.90	-324
MW-4	6.56	23.4	0.0	6.97	0.70	-212
MW-5	8.6	36.9	0.0	7.21	1.37	-59
MW-7	6.58	0.722	17.9	8.95	6.00	142
MW-8	7.13	27.7	0	7.38	7.94	144
OB-1	6.93	5.41	13.8	9.9	0.56	38
RX-1	6.31	9.41	7.1	11.13	1.71	91
RX-2	6.65	42.9	0	6.8	2.5	153
SB-3	7.11	3.32	28.6	5.49	1.23	30
SP-2	6.64	1.3	0	11.2	1.28	0

Notes:

Sample parameters listed above were collected just prior to sample collection, following well purging activities.

mS/cm - milliSiemens per centimeter

NTU - Nephelometric Turbidity Units

°C - degree Celsius

mg/L - milligrams per liter

mV - millivolt

Table 3. Summary of Volatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation: DUP_21313	SB-1	SB-2	SB-3	SB-4	SB-5
	Use	Residential	Sample Date: 2/13/2013	2/11/2013	2/11/2013	2/14/2013	2/14/2013	2/13/2013
			Sample Depth (ft bls): -	0-2	0-2	0-2	0-2	10-12
1,1,1-Trichloroethane	680	100000	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
1,1,2,2-Tetrachloroethane	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
1,1,2-Trichloroethane	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
1,1-Dichloroethane	270	26000	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
1,1-Dichloroethene	330	100000	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
1,2,3-Trichlorobenzene	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
1,2,4-Trichlorobenzene	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
1,2-Dibromoethane	--	--	1.3 U	1.2 U	1.3 U	1.3 U	65 U	83 U
1,2-Dichlorobenzene	1100	100000	6.4 U	5.9 U	6.5 U	6.6 U	59.3 J	410 U
1,2-Dichloroethane	20	3100	1.3 U	1.2 U	1.3 U	1.3 U	65 U	83 U
1,2-Dichloropropane	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
1,3-Dichlorobenzene	2400	49000	6.4 U	5.9 U	6.5 U	6.6 U	13.8 J	410 U
1,4-Dichlorobenzene	1800	13000	6.4 U	5.9 U	6.5 U	6.6 U	110 J	410 U
1,4-Dioxane	100	13000	160 U	150 U	160 U	160 U	8100 U	10000 U
2-Butanone (MEK)	120	100000	13 U	12 U	13 U	13 U	650 U	830 U
2-Hexanone	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
4-Methyl-2-pentanone (MIBK)	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
Acetone	50	100000	14.8	19.3	51.1	28.9	650 U	830 U
Benzene	60	4800	1.3 U	1.2 U	0.44 J	1.3 U	25.4 J	83 U
Bromochloromethane	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
Bromodichloromethane	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
Bromoform	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
Bromomethane	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
Carbon disulfide	--	--	1.6 J	5.9 U	6.5 U	6.6 U	320 U	410 U
Carbon tetrachloride	760	2400	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
Chlorobenzene	1100	100000	6.4 U	5.9 U	6.5 U	6.6 U	445	410 U
Chloroethane	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
Chloroform	370	49000	6.4 U	0.23 J	6.5 U	6.6 U	320 U	410 U
Chloromethane	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
cis-1,2-Dichloroethene	250	100000	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
cis-1,3-Dichloropropene	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
Cyclohexane	--	--	6.4 U	5.9 U	6.5 U	6.6 U	285 J	410 U
Dibromochloromethane	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
Dibromochloropropane	--	--	13 U	12 U	13 U	13 U	650 U	830 U

Table 3. Summary of Volatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation: DUP_21313	SB-1	SB-2	SB-3	SB-4	SB-5
	Use	Residential	Sample Date: 2/13/2013	2/11/2013	2/11/2013	2/14/2013	2/14/2013	2/13/2013
			Sample Depth (ft bls): -	0-2	0-2	0-2	0-2	10-12
Dichlorodifluoromethane	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
Ethylbenzene	1000	41000	1.3 U	1.2 U	0.58 J	1.3	149	83 U
Freon 113	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
Isopropylbenzene	--	--	0.34 J	5.9 U	6.5 U	0.31 J	695	34.8 J
m+p-Xylene	--	--	0.46 J	1.2 U	2.1	0.71 J	665	83 U
Methyl acetate	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
Methylcyclohexane	--	--	0.49 J	5.9 U	6.5 U	6.6 U	3260	102 J
Methylene chloride	50	100000	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
MTBE	930	100000	1.3 U	1.2 U	1.3 U	1.3 U	65 U	83 U
o-Xylene	--	--	1.3 U	1.2 U	0.76 J	0.5 J	257	83 U
Styrene	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
Tetrachloroethene	1300	19000	6.4 U	0.51 J	3.2 J	0.68 J	320 U	410 U
Toluene	700	100000	0.82 J	1.2 U	9.3	1.3	148	83 U
trans-1,2-Dichloroethene	190	100000	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
trans-1,3-Dichloropropene	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
Trichloroethene	470	21000	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
Trichlorofluoromethane	--	--	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
Vinyl chloride	20	900	6.4 U	5.9 U	6.5 U	6.6 U	320 U	410 U
Xylenes (total)	260	100000	0.46 J	1.2 U	2.8	1.2 J	922	83 U
Total TIC, Volatile			0	0	7.1 J	0	112000 J	15750 J

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 3. Summary of Volatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation:	SB-5	SB-6	SB-7	SB-7	SB-9	SB-10	SB-10
			Sample Date:	2/13/2013	2/7/2013	2/13/2013	2/13/2013	2/7/2013	2/12/2013	2/12/2013
			Sample Depth (ft bls):	13-15	0-2	7-9	10-12	0-2	8-10	14-16
1,1,1-Trichloroethane	680	100000		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
1,1,2,2-Tetrachloroethane	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
1,1,2-Trichloroethane	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
1,1-Dichloroethane	270	26000		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
1,1-Dichloroethene	330	100000		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
1,2,3-Trichlorobenzene	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
1,2,4-Trichlorobenzene	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
1,2-Dibromoethane	--	--		1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	72 U	1.2 U
1,2-Dichlorobenzene	1100	100000		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
1,2-Dichloroethane	20	3100		1.2 U	1.2 U	1.3 U	1.2 U	1.2 U	72 U	1.2 U
1,2-Dichloropropane	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
1,3-Dichlorobenzene	2400	49000		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
1,4-Dichlorobenzene	1800	13000		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
1,4-Dioxane	100	13000		150 U	150 U	160 U	160 U	150 U	9000 U	160 U
2-Butanone (MEK)	120	100000		12 U	12 U	26.5	12 U	12 U	720 U	12 U
2-Hexanone	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
4-Methyl-2-pentanone (MIBK)	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Acetone	50	100000		21.6	12 U	158	34.5	12 U	720 U	12 U
Benzene	60	4800		1.2 U	1.2 U	15	0.51 J	1.2 U	61.9 J	1.2 U
Bromochloromethane	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Bromodichloromethane	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Bromoform	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Bromomethane	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Carbon disulfide	--	--		5.9 U	0.49 J	0.78 J	0.39 J	6.1 U	360 U	0.6 J
Carbon tetrachloride	760	2400		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Chlorobenzene	1100	100000		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Chloroethane	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Chloroform	370	49000		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Chloromethane	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
cis-1,2-Dichloroethene	250	100000		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
cis-1,3-Dichloropropene	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Cyclohexane	--	--		5.9 U	6.1 U	2.5 J	6.2 U	6.1 U	861	6.2 U
Dibromochloromethane	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Dibromochloropropane	--	--		12 U	12 U	13 U	12 U	12 U	720 U	12 U

Table 3. Summary of Volatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation:	SB-5	SB-6	SB-7	SB-7	SB-9	SB-10	SB-10
	Use	Residential	Sample Date:	2/13/2013	2/7/2013	2/13/2013	2/13/2013	2/7/2013	2/12/2013	2/12/2013
			Sample Depth (ft bls):	13-15	0-2	7-9	10-12	0-2	8-10	14-16
Dichlorodifluoromethane	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Ethylbenzene	1000	41000		1.2 U	1.2 U	9.5	1.2 U	1.2 U	7950	0.81 J
Freon 113	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Isopropylbenzene	--	--		0.31 J	6.1 U	4.6 J	6.2 U	6.1 U	1490	6.2 U
m+p-Xylene	--	--		1.2 U	0.4 J	6.1	0.36 J	1.2 U	24700	2.8
Methyl acetate	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Methylcyclohexane	--	--		0.81 J	6.1 U	14.1	6.2 U	6.1 U	4470	0.33 J
Methylene chloride	50	100000		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
MTBE	930	100000		1.2 U	1.2 U	57.1	16	1.2 U	72 U	1.2 U
o-Xylene	--	--		1.2 U	1.2 U	2.6	1.2 U	1.2 U	4710	0.96 J
Styrene	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Tetrachloroethene	1300	19000		5.9 U	3.4 J	6.5 U	6.2 U	2.8 J	360 U	0.58 J
Toluene	700	100000		0.55 J	1.5	3.6	0.35 J	1.2 U	190	1.9
trans-1,2-Dichloroethene	190	100000		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
trans-1,3-Dichloropropene	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Trichloroethene	470	21000		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Trichlorofluoromethane	--	--		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Vinyl chloride	20	900		5.9 U	6.1 U	6.5 U	6.2 U	6.1 U	360 U	6.2 U
Xylenes (total)	260	100000		1.2 U	0.4 J	8.7	0.36 J	1.2 U	29400	3.7
Total TIC, Volatile				193 J	553 J	1067 J	0	0	87400 J	274 J

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 3. Summary of Volatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation:	SB-11	SB-12	SB-12	SB-13	SB-14	SB-16
			Sample Date:	2/12/2013	2/12/2013	2/12/2013	2/12/2013	2/12/2013	2/13/2013
			Sample Depth (ft bls):	17-19	10-12	14-16	7-9	6-8	8-10
1,1,1-Trichloroethane	680	100000		360 U	740 U	340 U	3300 U	6.3 U	390 U
1,1,2,2-Tetrachloroethane	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
1,1,2-Trichloroethane	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
1,1-Dichloroethane	270	26000		360 U	740 U	340 U	3300 U	6.3 U	390 U
1,1-Dichloroethene	330	100000		360 U	740 U	340 U	3300 U	6.3 U	390 U
1,2,3-Trichlorobenzene	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
1,2,4-Trichlorobenzene	--	--		494	740 U	340 U	3300 U	6.3 U	390 U
1,2-Dibromoethane	--	--		72 U	150 U	68 U	670 U	1.3 U	78 U
1,2-Dichlorobenzene	1100	100000		314 J	740 U	340 U	3300 U	6.3 U	390 U
1,2-Dichloroethane	20	3100		72 U	150 U	68 U	670 U	1.3 U	78 U
1,2-Dichloropropane	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
1,3-Dichlorobenzene	2400	49000		622	740 U	340 U	3300 U	6.3 U	390 U
1,4-Dichlorobenzene	1800	13000		3140	740 U	340 U	3300 U	6.3 U	390 U
1,4-Dioxane	100	13000		9000 U	18000 U	8500 U	84000 U	160 U	9700 U
2-Butanone (MEK)	120	100000		720 U	1500 U	680 U	6700 U	13 U	780 U
2-Hexanone	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
4-Methyl-2-pentanone (MIBK)	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
Acetone	50	100000		720 U	1500 U	680 U	6700 U	13 U	780 U
Benzene	60	4800		267	7480	438	1580	1.3 U	78 U
Bromochloromethane	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
Bromodichloromethane	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
Bromoform	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
Bromomethane	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
Carbon disulfide	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
Carbon tetrachloride	760	2400		360 U	740 U	340 U	3300 U	6.3 U	390 U
Chlorobenzene	1100	100000		5370	740 U	340 U	3300 U	6.3 U	390 U
Chloroethane	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
Chloroform	370	49000		360 U	740 U	340 U	3300 U	6.3 U	390 U
Chloromethane	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
cis-1,2-Dichloroethene	250	100000		360 U	740 U	340 U	3300 U	6.3 U	390 U
cis-1,3-Dichloropropene	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
Cyclohexane	--	--		503	6290	577	2650 J	6.3 U	86.7 J
Dibromochloromethane	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
Dibromochloropropane	--	--		720 U	1500 U	680 U	6700 U	13 U	780 U

Table 3. Summary of Volatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation:	SB-11	SB-12	SB-12	SB-13	SB-14	SB-16
	Use	Residential	Sample Date:	2/12/2013	2/12/2013	2/12/2013	2/12/2013	2/12/2013	2/13/2013
			Sample Depth (ft bls):	17-19	10-12	14-16	7-9	6-8	8-10
Dichlorodifluoromethane	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
Ethylbenzene	1000	41000		1330	12500	283	23500	1.3 U	226
Freon 113	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
Isopropylbenzene	--	--		313 J	5150	1180	6600	6.3 U	222 J
m+p-Xylene	--	--		3190	7220	150	41900	1.3 U	156
Methyl acetate	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
Methylcyclohexane	--	--		1710	21700	3190	16900	6.3 U	547
Methylene chloride	50	100000		360 U	740 U	340 U	3300 U	6.3 U	390 U
MTBE	930	100000		72 U	150 U	68 U	670 U	1.3 U	78 U
o-Xylene	--	--		2020	386	29.8 J	11000	1.3 U	44.8 J
Styrene	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
Tetrachloroethene	1300	19000		360 U	740 U	340 U	3300 U	1.2 J	390 U
Toluene	700	100000		248	617	38.8 J	416 J	1.3 U	32.9 J
trans-1,2-Dichloroethene	190	100000		360 U	740 U	340 U	3300 U	6.3 U	390 U
trans-1,3-Dichloropropene	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
Trichloroethene	470	21000		360 U	740 U	340 U	3300 U	6.3 U	390 U
Trichlorofluoromethane	--	--		360 U	740 U	340 U	3300 U	6.3 U	390 U
Vinyl chloride	20	900		360 U	740 U	340 U	3300 U	6.3 U	390 U
Xylenes (total)	260	100000		5210	7600	180	52900	1.3 U	201
Total TIC, Volatile				103200 J	228400 J	193600 J	604000 J	404.5 J	45300 J

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 3. Summary of Volatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation:	SB-16	SB-17
			Sample Date:	2/13/2013	2/5/2013
			Sample Depth (ft bls):	16-18	0.2-0.2
1,1,1-Trichloroethane	680	100000		7.3 U	5 U
1,1,2,2-Tetrachloroethane	--	--		7.3 U	5 U
1,1,2-Trichloroethane	--	--		7.3 U	5 U
1,1-Dichloroethane	270	26000		7.3 U	5 U
1,1-Dichloroethene	330	100000		7.3 U	5 U
1,2,3-Trichlorobenzene	--	--		7.3 U	5 U
1,2,4-Trichlorobenzene	--	--		7.3 U	5 U
1,2-Dibromoethane	--	--		1.5 U	1 U
1,2-Dichlorobenzene	1100	100000		7.3 U	5 U
1,2-Dichloroethane	20	3100		1.5 U	1 U
1,2-Dichloropropane	--	--		7.3 U	5 U
1,3-Dichlorobenzene	2400	49000		7.3 U	5 U
1,4-Dichlorobenzene	1800	13000		7.3 U	5 U
1,4-Dioxane	100	13000		180 U	130 U
2-Butanone (MEK)	120	100000		15 U	10 U
2-Hexanone	--	--		7.3 U	5 U
4-Methyl-2-pentanone (MIBK)	--	--		7.3 U	5 U
Acetone	50	100000		37.2	10 U
Benzene	60	4800		1.5 U	1 U
Bromochloromethane	--	--		7.3 U	5 U
Bromodichloromethane	--	--		7.3 U	5 U
Bromoform	--	--		7.3 U	5 U
Bromomethane	--	--		7.3 U	5 U
Carbon disulfide	--	--		3.7 J	5 U
Carbon tetrachloride	760	2400		7.3 U	5 U
Chlorobenzene	1100	100000		7.3 U	5 U
Chloroethane	--	--		7.3 U	5 U
Chloroform	370	49000		7.3 U	5 U
Chloromethane	--	--		7.3 U	5 U
cis-1,2-Dichloroethene	250	100000		7.3 U	5 U
cis-1,3-Dichloropropene	--	--		7.3 U	5 U
Cyclohexane	--	--		7.3 U	5 U
Dibromochloromethane	--	--		7.3 U	5 U
Dibromochloropropane	--	--		15 U	10 U

Table 3. Summary of Volatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation:	SB-16	SB-17
			Sample Date:	2/13/2013	2/5/2013
			Sample Depth (ft bls):	16-18	0.2-0.2
Dichlorodifluoromethane	--	--		7.3 U	5 U
Ethylbenzene	1000	41000		0.43 J	1 U
Freon 113	--	--		7.3 U	5 U
Isopropylbenzene	--	--		0.32 J	5 U
m+p-Xylene	--	--		0.96 J	0.34 J
Methyl acetate	--	--		7.3 U	5 U
Methylcyclohexane	--	--		7.3 U	5 U
Methylene chloride	50	100000		7.3 U	5 U
MTBE	930	100000		1.5 U	1 U
o-Xylene	--	--		0.61 J	1 U
Styrene	--	--		7.3 U	5 U
Tetrachloroethene	1300	19000		7.3 U	1.3 J
Toluene	700	100000		2.3	1.8
trans-1,2-Dichloroethene	190	100000		7.3 U	5 U
trans-1,3-Dichloropropene	--	--		7.3 U	5 U
Trichloroethene	470	21000		7.3 U	5 U
Trichlorofluoromethane	--	--		7.3 U	5 U
Vinyl chloride	20	900		7.3 U	5 U
Xylenes (total)	260	100000		1.6	0.34 J
Total TIC, Volatile				7.4 J	0

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 4. Summary of Semivolatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation: DUP_21313	SB-1	SB-2	SB-3	SB-4	SB-5
	Use	Residential	Sample Date: 2/13/2013	2/11/2013	2/11/2013	2/14/2013	2/14/2013	2/13/2013
			Sample Depth (ft bls): -	0-2	0-2	0-2	0-2	10-12
1,1'-Biphenyl	--	--	79 U	67 U	64 U	69 U	140 U	78 U
1,2,4,5-Tetrachlorobenzene	--	--	200 U	170 U	160 U	170 U	340 U	200 U
2,2'-oxybis (1-chloropropane)	--	--	79 U	67 U	64 U	69 U	140 U	78 U
2,3,4,6-Tetrachlorophenol	--	--	200 U	170 U	160 U	170 U	340 U	200 U
2,4,5-Trichlorophenol	--	--	200 U	170 U	160 U	170 U	340 U	200 U
2,4,6-Trichlorophenol	--	--	200 U	170 U	160 U	170 U	340 U	200 U
2,4-Dichlorophenol	--	--	200 U	170 U	160 U	170 U	340 U	200 U
2,4-Dimethylphenol	--	--	200 U	170 U	160 U	170 U	340 U	200 U
2,4-Dinitrophenol	--	--	790 U	670 U	640 U	690 U	1400 U	780 U
2,4-Dinitrotoluene	--	--	79 U	67 U	64 U	69 U	140 U	78 U
2,6-Dinitrotoluene	--	--	79 U	67 U	64 U	69 U	140 U	78 U
2-Chloronaphthalene	--	--	79 U	67 U	64 U	69 U	140 U	78 U
2-Chlorophenol	--	--	200 U	170 U	160 U	170 U	340 U	200 U
2-Methylnaphthalene	--	--	24.9 J	67 U	83.5	59.7 J	1970	78 U
2-Methylphenol	330	100000	79 U	67 U	64 U	69 U	140 U	78 U
2-Nitroaniline	--	--	200 U	170 U	160 U	170 U	340 U	200 U
2-Nitrophenol	--	--	200 U	170 U	160 U	170 U	340 U	200 U
3&4-Methylphenol	--	--	79 U	67 U	64 U	69 U	140 U	78 U
3,3'-Dichlorobenzidine	--	--	200 U	170 U	160 U	170 U	340 U	200 U
3-Nitroaniline	--	--	200 U	170 U	160 U	170 U	340 U	200 U
4,6-Dinitro-2-methylphenol	--	--	790 U	670 U	640 U	690 U	1400 U	780 U
4-Bromophenyl phenyl ether	--	--	79 U	67 U	64 U	69 U	140 U	78 U
4-Chloro-3-methylphenol	--	--	200 U	170 U	160 U	170 U	340 U	200 U
4-Chloroaniline	--	--	200 U	170 U	160 U	170 U	340 U	200 U
4-Chlorophenyl phenyl ether	--	--	79 U	67 U	64 U	69 U	140 U	78 U
4-Nitroaniline	--	--	200 U	170 U	160 U	170 U	340 U	200 U
4-Nitrophenol	--	--	400 U	330 U	320 U	340 U	690 U	390 U
Acenaphthene	20000	100000	107	33 U	51.6	34 U	331	52.3
Acenaphthylene	100000	100000	77.5	33 U	68.2	34 U	125	39 U
Acetophenone	--	--	200 U	170 U	160 U	170 U	340 U	200 U
Anthracene	100000	100000	357	33 U	150	34 U	553	23 J

Table 4. Summary of Semivolatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation: DUP_21313	SB-1	SB-2	SB-3	SB-4	SB-5
	Use	Residential	Sample Date: 2/13/2013	2/11/2013	2/11/2013	2/14/2013	2/14/2013	2/13/2013
			Sample Depth (ft bls): -	0-2	0-2	0-2	0-2	10-12
Atrazine	--	--	200 U	170 U	160 U	170 U	340 U	200 U
Benzaldehyde	--	--	200 U	170 U	160 U	170 U	340 U	200 U
Benzo[a]anthracene	1000	1000	933	47.8	669	44.7	1050	39 U
Benzo[a]pyrene	1000	1000	1190	48.7	749	42.9	977	39 U
Benzo[b]fluoranthene	1000	1000	1130	60.8	712	57.4	1060	39 U
Benzo[g,h,i]perylene	100000	100000	826	47.3	543	73.9	627	39 U
Benzo[k]fluoranthene	800	3900	717	31.3 J	591	23.6 J	584	39 U
Bis(2-chloroethoxy)methane	--	--	79 U	67 U	64 U	69 U	140 U	78 U
Bis(2-chloroethyl) ether	--	--	79 U	67 U	64 U	69 U	140 U	78 U
Bis(2-ethylhexyl) phthalate	--	--	146	231	200	69 U	577	134
Butylbenzyl phthalate	--	--	79 U	67 U	64 U	69 U	140 U	78 U
Caprolactam	--	--	79 U	67 U	64 U	69 U	140 U	78 U
Carbazole	--	--	107	67 U	43.7 J	69 U	191	78 U
Chrysene	1000	3900	1000	46.5	725	48.5	1090	39 U
Dibenzo[a,h]anthracene	330	330	272	33 U	172	34 U	172	39 U
Dibenzofuran	7000	59000	48.6 J	67 U	18.8 J	69 U	160	49.3 J
Diethyl phthalate	--	--	79 U	67 U	64 U	69 U	140 U	78 U
Dimethyl phthalate	--	--	79 U	67 U	64 U	69 U	140 U	78 U
Di-n-butyl phthalate	--	--	79 U	67 U	64 U	69 U	140 U	78 U
Di-n-octyl phthalate	--	--	79 U	67 U	64 U	69 U	140 U	78 U
Fluoranthene	100000	100000	2040	58.3	1150	60.5	3000	22.3 J
Fluorene	30000	100000	122	33 U	46.7	34 U	407	115
Hexachlorobenzene	330	1200	79 U	67 U	64 U	69 U	140 U	78 U
Hexachlorobutadiene	--	--	40 U	33 U	32 U	34 U	69 U	39 U
Hexachlorocyclopentadiene	--	--	400 U	330 U	320 U	340 U	690 U	390 U
Hexachloroethane	--	--	200 U	170 U	160 U	170 U	340 U	200 U
Indeno[1,2,3-cd]pyrene	500	500	763	41.1	480	40.9	517	39 U
Isophorone	--	--	79 U	67 U	64 U	69 U	140 U	78 U
Naphthalene	12000	100000	30.5 J	33 U	13.2 J	19.5 J	69 U	39 U
Nitrobenzene	--	--	79 U	67 U	64 U	69 U	140 U	78 U
n-Nitrosodi-n-propylamine	--	--	79 U	67 U	64 U	69 U	140 U	78 U

Table 4. Summary of Semivolatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation:	DUP_21313	SB-1	SB-2	SB-3	SB-4	SB-5
			Sample Date:	2/13/2013	2/11/2013	2/11/2013	2/14/2013	2/14/2013	2/13/2013
			Sample Depth (ft bls):	-	0-2	0-2	0-2	0-2	10-12
n-Nitrosodiphenylamine	--	--		200 U	170 U	160 U	170 U	340 U	200 U
Pentachlorophenol	800	6700		400 U	330 U	320 U	340 U	690 U	390 U
Phenanthrene	100000	100000		1090	27.6 J	495	50.1	2000	255
Phenol	330	100000		79 U	67 U	64 U	69 U	140 U	78 U
Pyrene	100000	100000		1850	65	1080	64.4	2350	75.9
Total TIC, Semi-Volatile				4470 J	5830 J	16140 J	3120 J	101300 J	15300 J

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 4. Summary of Semivolatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation:	SB-5	SB-6	SB-7	SB-7	SB-9	SB-10	SB-10
			Sample Date:	2/13/2013	2/7/2013	2/13/2013	2/13/2013	2/7/2013	2/12/2013	2/12/2013
			Sample Depth (ft bls):	13-15	0-2	7-9	10-12	0-2	8-10	14-16
1,1'-Biphenyl	--	--		77 U	68 U	76 U	74 U	190	164	64 U
1,2,4,5-Tetrachlorobenzene	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
2,2'-oxybis (1-chloropropane)	--	--		77 U	68 U	76 U	74 U	69 U	81 U	64 U
2,3,4,6-Tetrachlorophenol	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
2,4,5-Trichlorophenol	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
2,4,6-Trichlorophenol	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
2,4-Dichlorophenol	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
2,4-Dimethylphenol	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
2,4-Dinitrophenol	--	--		770 U	680 U	760 U	740 U	690 U	810 U	640 U
2,4-Dinitrotoluene	--	--		77 U	68 U	76 U	74 U	69 U	81 U	64 U
2,6-Dinitrotoluene	--	--		77 U	68 U	76 U	74 U	69 U	81 U	64 U
2-Chloronaphthalene	--	--		77 U	68 U	76 U	74 U	69 U	81 U	64 U
2-Chlorophenol	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
2-Methylnaphthalene	--	--		77 U	93.6	76 U	74 U	312	9720	64 U
2-Methylphenol	330	100000		77 U	68 U	76 U	74 U	69 U	81 U	64 U
2-Nitroaniline	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
2-Nitrophenol	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
3&4-Methylphenol	--	--		77 U	68 U	76 U	74 U	69 U	81 U	64 U
3,3'-Dichlorobenzidine	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
3-Nitroaniline	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
4,6-Dinitro-2-methylphenol	--	--		770 U	680 U	760 U	740 U	690 U	810 U	640 U
4-Bromophenyl phenyl ether	--	--		77 U	68 U	76 U	74 U	69 U	81 U	64 U
4-Chloro-3-methylphenol	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
4-Chloroaniline	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
4-Chlorophenyl phenyl ether	--	--		77 U	68 U	76 U	74 U	69 U	81 U	64 U
4-Nitroaniline	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
4-Nitrophenol	--	--		390 U	340 U	380 U	370 U	340 U	410 U	320 U
Acenaphthene	20000	100000		39 U	205	38 U	37 U	3070	126	32 U
Acenaphthylene	100000	100000		39 U	2320	38 U	37 U	120	41 U	32 U
Acetophenone	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
Anthracene	100000	100000		39 U	2960	38 U	37 U	11300	55.6	32 U

Table 4. Summary of Semivolatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-5 2/13/2013 13-15	SB-6 2/7/2013 0-2	SB-7 2/13/2013 7-9	SB-7 2/13/2013 10-12	SB-9 2/7/2013 0-2	SB-10 2/12/2013 8-10	SB-10 2/12/2013 14-16
Atrazine	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
Benzaldehyde	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
Benzo[a]anthracene	1000	1000		39 U	9440	38 U	17.7 J	20100	26.6 J	32 U
Benzo[a]pyrene	1000	1000		39 U	11500	38 U	18 J	15800	41 U	32 U
Benzo[b]fluoranthene	1000	1000		39 U	12300	38 U	16.6 J	21300	41 U	32 U
Benzo[g,h,i]perylene	100000	100000		39 U	12300	38 U	37 U	8760	41 U	32 U
Benzo[k]fluoranthene	800	3900		39 U	6180	38 U	37 U	15700	41 U	32 U
Bis(2-chloroethoxy)methane	--	--		77 U	68 U	76 U	74 U	69 U	81 U	64 U
Bis(2-chloroethyl) ether	--	--		77 U	68 U	76 U	74 U	69 U	81 U	64 U
Bis(2-ethylhexyl) phthalate	--	--		91.5	68 U	76.9	105	69 U	220	163
Butylbenzyl phthalate	--	--		77 U	68 U	76 U	74 U	69 U	81 U	64 U
Caprolactam	--	--		77 U	68 U	76 U	74 U	69 U	81 U	64 U
Carbazole	--	--		77 U	275	76 U	74 U	1060	81 U	64 U
Chrysene	1000	3900		39 U	9850	38 U	16.6 J	17900	20.1 J	32 U
Dibenzo[a,h]anthracene	330	330		39 U	5010	38 U	37 U	4670	41 U	32 U
Dibenzofuran	7000	59000		77 U	158	76 U	74 U	2030	33.1 J	64 U
Diethyl phthalate	--	--		77 U	68 U	76 U	74 U	69 U	81 U	64 U
Dimethyl phthalate	--	--		77 U	68 U	76 U	74 U	54.4 J	81 U	64 U
Di-n-butyl phthalate	--	--		77 U	68 U	76 U	74 U	69 U	81 U	64 U
Di-n-octyl phthalate	--	--		77 U	68 U	76 U	74 U	69 U	81 U	64 U
Fluoranthene	100000	100000		39 U	12400	17.7 J	22.4 J	55900	60.3	32 U
Fluorene	30000	100000		39 U	444	38 U	37 U	5440	123	32 U
Hexachlorobenzene	330	1200		77 U	68 U	76 U	74 U	69 U	81 U	64 U
Hexachlorobutadiene	--	--		39 U	34 U	38 U	37 U	34 U	41 U	32 U
Hexachlorocyclopentadiene	--	--		390 U	340 U	380 U	370 U	340 U	410 U	320 U
Hexachloroethane	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
Indeno[1,2,3-cd]pyrene	500	500		39 U	10200	38 U	37 U	8970	41 U	32 U
Isophorone	--	--		77 U	68 U	76 U	74 U	69 U	81 U	64 U
Naphthalene	12000	100000		39 U	66.3	38 U	37 U	105	8110	32 U
Nitrobenzene	--	--		77 U	68 U	76 U	74 U	69 U	81 U	64 U
n-Nitrosodi-n-propylamine	--	--		77 U	68 U	76 U	74 U	69 U	81 U	64 U

Table 4. Summary of Semivolatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-5 2/13/2013 13-15	SB-6 2/7/2013 0-2	SB-7 2/13/2013 7-9	SB-7 2/13/2013 10-12	SB-9 2/7/2013 0-2	SB-10 2/12/2013 8-10	SB-10 2/12/2013 14-16
n-Nitrosodiphenylamine	--	--		190 U	170 U	190 U	190 U	170 U	200 U	160 U
Pentachlorophenol	800	6700		390 U	340 U	380 U	370 U	340 U	410 U	320 U
Phenanthrene	100000	100000		39 U	6350	24.8 J	37 U	37300	333	32 U
Phenol	330	100000		77 U	68 U	76 U	74 U	69 U	81 U	64 U
Pyrene	100000	100000		39 U	15200	24.2 J	22.7 J	37000	71.3	32 U
Total TIC, Semi-Volatile				220 J	44140 J	3480 J	22140 J	9970 J	106500 J	2880 J

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 4. Summary of Semivolatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-11 2/12/2013 17-19	SB-12 2/12/2013 10-12	SB-12 2/12/2013 14-16	SB-13 2/12/2013 7-9	SB-14 2/12/2013 6-8	SB-16 2/13/2013 8-10
1,1'-Biphenyl	--	--		437	951	72 U	2050	68 U	80.1
1,2,4,5-Tetrachlorobenzene	--	--		190 U	190 U	180 U	190 U	170 U	190 U
2,2'-oxybis (1-chloropropane)	--	--		77 U	77 U	72 U	76 U	68 U	75 U
2,3,4,6-Tetrachlorophenol	--	--		190 U	190 U	180 U	190 U	170 U	190 U
2,4,5-Trichlorophenol	--	--		190 U	190 U	180 U	190 U	170 U	190 U
2,4,6-Trichlorophenol	--	--		190 U	190 U	180 U	190 U	170 U	190 U
2,4-Dichlorophenol	--	--		190 U	190 U	180 U	190 U	170 U	190 U
2,4-Dimethylphenol	--	--		190 U	190 U	180 U	190 U	170 U	190 U
2,4-Dinitrophenol	--	--		770 U	770 U	720 U	760 U	680 U	750 U
2,4-Dinitrotoluene	--	--		77 U	77 U	72 U	76 U	68 U	75 U
2,6-Dinitrotoluene	--	--		77 U	77 U	72 U	76 U	68 U	75 U
2-Chloronaphthalene	--	--		77 U	77 U	72 U	76 U	68 U	75 U
2-Chlorophenol	--	--		190 U	190 U	180 U	190 U	170 U	190 U
2-Methylnaphthalene	--	--		3500	24800	6750	77700	60.5 J	75 U
2-Methylphenol	330	100000		77 U	77 U	72 U	76 U	68 U	75 U
2-Nitroaniline	--	--		190 U	190 U	180 U	190 U	170 U	190 U
2-Nitrophenol	--	--		190 U	190 U	180 U	190 U	170 U	190 U
3&4-Methylphenol	--	--		77 U	77 U	72 U	76 U	68 U	75 U
3,3'-Dichlorobenzidine	--	--		190 U	190 U	180 U	190 U	170 U	190 U
3-Nitroaniline	--	--		190 U	190 U	180 U	190 U	170 U	190 U
4,6-Dinitro-2-methylphenol	--	--		770 U	770 U	720 U	760 U	680 U	750 U
4-Bromophenyl phenyl ether	--	--		77 U	77 U	72 U	76 U	68 U	75 U
4-Chloro-3-methylphenol	--	--		190 U	190 U	180 U	190 U	170 U	190 U
4-Chloroaniline	--	--		190 U	190 U	180 U	190 U	170 U	190 U
4-Chlorophenyl phenyl ether	--	--		77 U	77 U	72 U	76 U	68 U	75 U
4-Nitroaniline	--	--		190 U	190 U	180 U	190 U	170 U	190 U
4-Nitrophenol	--	--		380 U	380 U	360 U	380 U	340 U	380 U
Acenaphthene	20000	100000		1500	1340	606	3560	36.5	260
Acenaphthylene	100000	100000		38 U	693	36 U	38 U	16.5 J	38 U
Acetophenone	--	--		190 U	190 U	180 U	190 U	170 U	190 U
Anthracene	100000	100000		172	2720	141	38 U	100	358

Table 4. Summary of Semivolatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation:	SB-11	SB-12	SB-12	SB-13	SB-14	SB-16
			Sample Date:	2/12/2013	2/12/2013	2/12/2013	2/12/2013	2/12/2013	2/13/2013
			Sample Depth (ft bls):	17-19	10-12	14-16	7-9	6-8	8-10
Atrazine	--	--		190 U	190 U	180 U	190 U	170 U	190 U
Benzaldehyde	--	--		190 U	190 U	180 U	190 U	170 U	190 U
Benzo[a]anthracene	1000	1000		128	8120	40.2	368	296	593
Benzo[a]pyrene	1000	1000		109	8560	28.3 J	278	288	645
Benzo[b]fluoranthene	1000	1000		127	7300	29.6 J	282	319	647
Benzo[g,h,i]perylene	100000	100000		102	5080	17.2 J	181	204	480
Benzo[k]fluoranthene	800	3900		67.5	6810	16.6 J	139	180	410
Bis(2-chloroethoxy)methane	--	--		77 U	77 U	72 U	76 U	68 U	75 U
Bis(2-chloroethyl) ether	--	--		77 U	77 U	72 U	76 U	68 U	75 U
Bis(2-ethylhexyl) phthalate	--	--		278	182	78.1	280	111	190
Butylbenzyl phthalate	--	--		77 U	77 U	72 U	76 U	68 U	75 U
Caprolactam	--	--		77 U	77 U	72 U	76 U	68 U	75 U
Carbazole	--	--		77 U	600	72 U	76 U	36.9 J	75 U
Chrysene	1000	3900		153	8570	45.4	423	300	567
Dibenzo[a,h]anthracene	330	330		29.2 J	2230	36 U	52.2	65.6	158
Dibenzofuran	7000	59000		701	872	592	2310	26.8 J	75 U
Diethyl phthalate	--	--		77 U	77 U	72 U	76 U	68 U	75 U
Dimethyl phthalate	--	--		77 U	77 U	72 U	76 U	43.2 J	75 U
Di-n-butyl phthalate	--	--		77 U	77 U	72 U	76 U	68 U	75 U
Di-n-octyl phthalate	--	--		77 U	77 U	72 U	76 U	68 U	75 U
Fluoranthene	100000	100000		499	13300	106	903	588	1350
Fluorene	30000	100000		644	2270	1340	3010	45.5	183
Hexachlorobenzene	330	1200		77 U	77 U	72 U	76 U	68 U	75 U
Hexachlorobutadiene	--	--		38 U	38 U	36 U	38 U	34 U	38 U
Hexachlorocyclopentadiene	--	--		380 U	380 U	360 U	380 U	340 U	380 U
Hexachloroethane	--	--		190 U	190 U	180 U	190 U	170 U	190 U
Indeno[1,2,3-cd]pyrene	500	500		63.9	4770	17.4 J	159	178	415
Isophorone	--	--		77 U	77 U	72 U	76 U	68 U	75 U
Naphthalene	12000	100000		1810	11000	295	32600	40.2	150
Nitrobenzene	--	--		77 U	77 U	72 U	76 U	68 U	75 U
n-Nitrosodi-n-propylamine	--	--		77 U	77 U	72 U	76 U	68 U	75 U

Table 4. Summary of Semivolatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-11	SB-12	SB-12	SB-13	SB-14	SB-16
	Part 375	Part 375		2/12/2013	2/12/2013	2/12/2013	2/12/2013	2/12/2013	2/13/2013
	Unrestricted Use	Restricted Residential		17-19	10-12	14-16	7-9	6-8	8-10
n-Nitrosodiphenylamine	--	--		190 U	190 U	180 U	190 U	170 U	190 U
Pentachlorophenol	800	6700		380 U	380 U	360 U	380 U	340 U	380 U
Phenanthrene	100000	100000		1180	10300	2570	11200	322	835
Phenol	330	100000		77 U	77 U	72 U	76 U	68 U	75 U
Pyrene	100000	100000		536	11400	226	1570	519	1370
Total TIC, Semi-Volatile				201800 J	119700 J	127000 J	132300 J	45570 J	45100 J

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 4. Summary of Semivolatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-16 2/13/2013 16-18	SB-17 2/5/2013 0.2-0.2
1,1'-Biphenyl	--	--		92 U	69 U
1,2,4,5-Tetrachlorobenzene	--	--		230 U	170 U
2,2'-oxybis (1-chloropropane)	--	--		92 U	69 U
2,3,4,6-Tetrachlorophenol	--	--		230 U	170 U
2,4,5-Trichlorophenol	--	--		230 U	170 U
2,4,6-Trichlorophenol	--	--		230 U	170 U
2,4-Dichlorophenol	--	--		230 U	170 U
2,4-Dimethylphenol	--	--		230 U	170 U
2,4-Dinitrophenol	--	--		920 U	690 U
2,4-Dinitrotoluene	--	--		92 U	69 U
2,6-Dinitrotoluene	--	--		92 U	69 U
2-Chloronaphthalene	--	--		92 U	69 U
2-Chlorophenol	--	--		230 U	170 U
2-Methylnaphthalene	--	--		41.5 J	69 U
2-Methylphenol	330	100000		92 U	69 U
2-Nitroaniline	--	--		230 U	170 U
2-Nitrophenol	--	--		230 U	170 U
3&4-Methylphenol	--	--		92 U	69 U
3,3'-Dichlorobenzidine	--	--		230 U	170 U
3-Nitroaniline	--	--		230 U	170 U
4,6-Dinitro-2-methylphenol	--	--		920 U	690 U
4-Bromophenyl phenyl ether	--	--		92 U	69 U
4-Chloro-3-methylphenol	--	--		230 U	170 U
4-Chloroaniline	--	--		230 U	170 U
4-Chlorophenyl phenyl ether	--	--		92 U	69 U
4-Nitroaniline	--	--		230 U	170 U
4-Nitrophenol	--	--		460 U	350 U
Acenaphthene	20000	100000		102	35 U
Acenaphthylene	100000	100000		134	14.6 J
Acetophenone	--	--		230 U	170 U
Anthracene	100000	100000		520	27.5 J

Table 4. Summary of Semivolatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-16 2/13/2013 16-18	SB-17 2/5/2013 0.2-0.2
Atrazine	--	--		230 U	170 U
Benzaldehyde	--	--		230 U	170 U
Benzo[a]anthracene	1000	1000		1720	129
Benzo[a]pyrene	1000	1000		1830	124
Benzo[b]fluoranthene	1000	1000		1620	124
Benzo[g,h,i]perylene	100000	100000		1180	90.9
Benzo[k]fluoranthene	800	3900		1250	99.1
Bis(2-chloroethoxy)methane	--	--		92 U	69 U
Bis(2-chloroethyl) ether	--	--		92 U	69 U
Bis(2-ethylhexyl) phthalate	--	--		146	69 U
Butylbenzyl phthalate	--	--		92 U	69 U
Caprolactam	--	--		92 U	69 U
Carbazole	--	--		127	69 U
Chrysene	1000	3900		1710	117
Dibenzo[a,h]anthracene	330	330		432	24.1 J
Dibenzofuran	7000	59000		55.5 J	69 U
Diethyl phthalate	--	--		92 U	69 U
Dimethyl phthalate	--	--		92 U	69 U
Di-n-butyl phthalate	--	--		92 U	69 U
Di-n-octyl phthalate	--	--		92 U	69 U
Fluoranthene	100000	100000		3350	219
Fluorene	30000	100000		146	35 U
Hexachlorobenzene	330	1200		92 U	69 U
Hexachlorobutadiene	--	--		46 U	35 U
Hexachlorocyclopentadiene	--	--		460 U	350 U
Hexachloroethane	--	--		230 U	170 U
Indeno[1,2,3-cd]pyrene	500	500		1120	85.9
Isophorone	--	--		92 U	69 U
Naphthalene	12000	100000		23.9 J	35 U
Nitrobenzene	--	--		92 U	69 U
n-Nitrosodi-n-propylamine	--	--		92 U	69 U

Table 4. Summary of Semivolatile Organic Compounds in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation:	SB-16	SB-17
			Sample Date:	2/13/2013	2/5/2013
			Sample Depth (ft bls):	16-18	0.2-0.2
n-Nitrosodiphenylamine	--	--		230 U	170 U
Pentachlorophenol	800	6700		460 U	350 U
Phenanthrene	100000	100000		1680	73.8
Phenol	330	100000		92 U	69 U
Pyrene	100000	100000		3150	228
Total TIC, Semi-Volatile				6920 J	1510 J

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 5. Summary of Metals in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation: Sample Date: Sample Depth (ft bls):	DUP_21313 2/13/2013 -	SB-1 2/11/2013 0-2	SB-2 2/11/2013 0-2	SB-3 2/14/2013 0-2	SB-4 2/14/2013 0-2	SB-5 2/13/2013 10-12
Aluminum	--	--		12600	10000	11300	7880	8830	18600
Antimony	--	--		2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.5 U
Arsenic	13	16		2.7	3.1	5.2	2.4	11.3	4.9
Barium	350	400		145	80.5	67.2	81.2	175	30.8
Beryllium	7.2	72		0.31	0.42	0.41	0.22 U	0.3	0.51
Cadmium	2.5	4.3		0.51 U	0.53 U	0.54 U	0.54 U	1.5	0.63 U
Calcium	--	--		1710	14500	38900	42000	15200	630 U
Chromium	30	180		27	13.8	15.5	10.3	23.4	21
Cobalt	--	--		7.2	5.3 U	8.3	5.4 U	5.8	6.3 U
Copper	50	270		33.7	40	81.8	22.5	65.8	10.9
Iron	--	--		19400	13600	19300	13300	16600	20300
Lead	63	400		61.6	50.3	181	43	423	11.3
Magnesium	--	--		5110	4000	7050	26900	11000	3570
Manganese	1600	2000		159	356	264	156	172	172
Mercury	0.18	0.81		0.1	0.44	0.078	0.043	0.11	0.037 U
Nickel	30	310		20.2	14.4	17.5	12.4	20.6	13.1
Potassium	--	--		6900	3950	1480	4290	3940	1330
Selenium	3.9	180		2 U	2.1 U	2.2 U	2.2 U	2.1 U	2.5 U
Silver	2	180		0.51 U	0.53 U	0.54 U	0.54 U	0.53 U	0.63 U
Sodium	--	--		2960	1100 U	1100 U	1100 U	1100 U	1300 U
Thallium	--	--		1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.3 U
Vanadium	--	--		35.6	19.6	41.9	27	35.2	34.4
Zinc	109	10000		88.6	73.1	119	56.8	116	37.9

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

mg/kg - Milligrams per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 5. Summary of Metals in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-5 2/13/2013 13-15	SB-6 2/7/2013 0-2	SB-7 2/13/2013 7-9	SB-7 2/13/2013 10-12	SB-9 2/7/2013 0-2	SB-10 2/12/2013 8-10	SB-10 2/12/2013 14-16
Aluminum	--	--		12500	10600	15600	17500	16900	15900	7290
Antimony	--	--		2 U	2.2 U	2.4 U	2.5 U	2.2 U	2 U	2.2 U
Arsenic	13	16		3.8	3.7	2.5	4.9	4.8	5.2	2.2 U
Barium	350	400		25.4	59.6	70	41.1	105	46.2	65.9
Beryllium	7.2	72		0.54	0.31	0.53	0.49	0.59	0.77	0.22 U
Cadmium	2.5	4.3		0.5 U	0.55 U	0.61 U	0.62 U	0.55 U	0.5 U	0.55 U
Calcium	--	--		1290	9480	1440	620 U	6110	1260	600
Chromium	30	180		18.2	19.2	24.5	22.3	28.6	28.1	13.1
Cobalt	--	--		6.5	9.9	6.9	6.2 U	8.3	13.5	5.5 U
Copper	50	270		15.6	42.3	20.2	11.2	32.8	17.8	16.1
Iron	--	--		18700	19400	17400	18300	22400	21700	11100
Lead	63	400		8.1	50.2	29.4	11	51.8	8.5	4.3
Magnesium	--	--		3510	5640	3830	3470	4800	4160	2380
Manganese	1600	2000		188	189	255	96.9	367	218	207
Mercury	0.18	0.81		0.04 U	0.069	0.17	0.037 U	0.13	0.039 U	0.035 U
Nickel	30	310		16.1	24.1	23.7	12.1	21.9	23.1	13.8
Potassium	--	--		1640	2300	2520	1550	3540	1930	2480
Selenium	3.9	180		2 U	2.2 U	2.4 U	2.5 U	2.2 U	2 U	2.2 U
Silver	2	180		0.5 U	0.55 U	0.61 U	0.62 U	0.55 U	0.5 U	0.55 U
Sodium	--	--		1000 U	2520	1200 U	1200 U	1130	1000 U	1100 U
Thallium	--	--		1 U	1.1 U	1.2 U	1.2 U	1.1 U	1 U	1.1 U
Vanadium	--	--		29.1	36.2	30.3	34.4	37.1	34.3	16.6
Zinc	109	10000		35.9	71.7	48.7	39.6	99.6	36.2	24.6

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

mg/kg - Milligrams per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 5. Summary of Metals in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-11 2/12/2013 17-19	SB-12 2/12/2013 10-12	SB-12 2/12/2013 14-16	SB-13 2/12/2013 7-9	SB-14 2/12/2013 6-8	SB-16 2/13/2013 8-10	SB-16 2/13/2013 16-18
Aluminum	--	--		8630	14500	13700	13700	13000	13000	17900
Antimony	--	--		2 U	2 U	2.2 U	2.4 U	2.2 U	2.4 U	2 U
Arsenic	13	16		3.7	5.3	3.1	3	4.2	4.2	5.1
Barium	350	400		300	114	72.9	84.5	85.6	218	201
Beryllium	7.2	72		0.35	0.56	0.49	0.62	0.53	0.33	0.39
Cadmium	2.5	4.3		1.1	0.68	0.56 U	0.61 U	0.82	0.65	0.77
Calcium	--	--		16800	5470	729	2660	4800	12000	3190
Chromium	30	180		25.8	34	24.7	24.9	27.9	34	41
Cobalt	--	--		6.2	7.7	6.6	7.2	6.5	9.9	11
Copper	50	270		59.2	50.2	28.1	29.3	47.8	86.8	69.7
Iron	--	--		18700	25300	19500	20700	17600	29700	27900
Lead	63	400		150	195	9.2	27	247	178	275
Magnesium	--	--		5620	6960	4230	4140	4740	11200	7170
Manganese	1600	2000		186	281	173	757	324	284	289
Mercury	0.18	0.81		0.098	0.4	0.039 U	0.053	0.085	0.066	0.14
Nickel	30	310		29.2	25.9	19	20.9	27.6	28.3	32.5
Potassium	--	--		4820	4630	4210	4240	2800	7930	8460
Selenium	3.9	180		2 U	2 U	2.2 U	2.4 U	2.2 U	2.4 U	2 U
Silver	2	180		0.68	0.8	0.56 U	0.61 U	0.55 U	0.59 U	0.5 U
Sodium	--	--		1000 U	1020	1100 U	1780	1100 U	2870	4710
Thallium	--	--		1 U	0.98 U	1.1 U	1.2 U	1.1 U	1.2 U	1 U
Vanadium	--	--		27.3	40	28	30.1	34.9	42.3	53.4
Zinc	109	10000		318	199	63.3	49.9	164	177	163

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

mg/kg - Milligrams per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 5. Summary of Metals in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-17 2/5/2013 0.2-0.2
Aluminum	--	--		19100
Antimony	--	--		2.2 U
Arsenic	13	16		4
Barium	350	400		175
Beryllium	7.2	72		0.85
Cadmium	2.5	4.3		0.55 U
Calcium	--	--		1800
Chromium	30	180		38
Cobalt	--	--		12.9
Copper	50	270		42.1
Iron	--	--		28900
Lead	63	400		50.5
Magnesium	--	--		7330
Manganese	1600	2000		441
Mercury	0.18	0.81		0.053
Nickel	30	310		35.9
Potassium	--	--		9670
Selenium	3.9	180		2.2 U
Silver	2	180		0.57
Sodium	--	--		3150
Thallium	--	--		1.1 U
Vanadium	--	--		44.2
Zinc	109	10000		89.2

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

mg/kg - Milligrams per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 6. Summary of Polychlorinated Biphenyls in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation: Sample Date: Sample Depth (ft bls):	SB-3 2/14/2013 0-2	SB-5 2/13/2013 10-12	SB-6 2/7/2013 0-2	SB-11 2/12/2013 17-19	SB-14 2/12/2013 6-8	SB-17 2/5/2013 0.2-0.2
Aroclor-1016	--	--		35 U	40 U	35 U	40 U	38 U	38 U
Aroclor-1221	--	--		35 U	40 U	35 U	40 U	38 U	38 U
Aroclor-1232	--	--		35 U	40 U	35 U	40 U	38 U	38 U
Aroclor-1242	--	--		35 U	40 U	35 U	40 U	38 U	38 U
Aroclor-1248	--	--		35 U	40 U	35 U	40 U	38 U	38 U
Aroclor-1254	--	--		35 U	40 U	35 U	40 U	38 U	38 U
Aroclor-1260	--	--		68	40 U	35 U	40 U	38 U	38 U
Aroclor-1262	--	--		35 U	40 U	35 U	40 U	38 U	38 U
Aroclor-1268	--	--		35 U	40 U	35 U	40 U	38 U	38 U
Total PCBs	100	1000		68	0	0	0	0	0

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

PCBs - Polychlorinated Biphenyls

Table 7. Summary of Pesticides in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation:	SB-3	SB-5	SB-6	SB-11	SB-14	SB-17
			Sample Date:	2/14/2013	2/13/2013	2/7/2013	2/12/2013	2/12/2013	2/5/2013
			Sample Depth (ft bls):	0-2	10-12	0-2	17-19	6-8	0.2-0.2
4,4'-DDD	3.3	13000		8.7	0.79 U	0.7 U	15.6	12.3	7.2
4,4'-DDE	3.3	8900		3.4	0.79 U	0.7 U	10.1	2.7	8.5
4,4'-DDT	3.3	7900		2.5	0.79 U	0.7 U	0.77 U	5.9	41
Aldrin	5	97		0.69 U	0.79 U	0.7 U	0.77 U	0.74 U	0.75 U
alpha-BHC	20	480		1.1	0.79 U	0.7 U	0.77 U	0.74 U	0.75 U
alpha-Chlordane	94	4200		1.4	0.79 U	0.7 U	24.6	12.6	4.4
beta-BHC	36	360		1.2	0.79 U	0.7 U	0.77 U	0.74 U	0.75 U
delta-BHC	40	100000		1.5	0.79 U	0.7 U	0.77 U	0.74 U	0.75 U
Dieldrin	5	200		1.2	0.79 U	0.7 U	0.77 U	1.4	0.75 U
Endosulfan I	2400	24000		0.69 U	0.79 U	0.7 U	0.77 U	0.74 U	0.75 U
Endosulfan II	2400	24000		0.69 U	0.79 U	0.7 U	0.77 U	0.74 U	0.75 U
Endosulfan sulfate	2400	24000		0.69 U	0.79 U	0.7 U	0.77 U	0.74 U	0.75 U
Endrin aldehyde	--	--		0.69 U	0.79 U	0.7 U	0.77 U	0.74 U	0.75 U
Endrin ketone	--	--		0.69 U	0.79 U	0.7 U	0.77 U	0.74 U	0.75 U
Endrin	14	11000		0.69 U	0.79 U	0.7 U	0.77 U	0.74 U	0.75 U
gamma-BHC (Lindane)	100	1300		1.1	0.79 U	0.7 U	0.77 U	0.74 U	0.75 U
gamma-Chlordane	--	--		2	0.79 U	0.7 U	13.2	8.4	2.2
Heptachlor epoxide	--	--		1.3	0.79 U	0.7 U	0.77 U	0.74 U	0.75 U
Heptachlor	42	2100		0.69 U	0.79 U	0.7 U	0.77 U	0.74 U	0.75 U
Methoxychlor	--	--		1.4 U	1.6 U	1.4 U	2.5	1.5 U	1.5 U
Toxaphene	--	--		17 U	20 U	17 U	19 U	19 U	19 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Standards

Table 8. Summary of Petroleum Hydrocarbons in Soil, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in mg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Restricted Residential	Sample Designation:	SB-4	SB-6	SB-12	SB-13	SB-16
			Sample Date:	2/14/2013	2/7/2013	2/12/2013	2/12/2013	2/13/2013
			Sample Depth (ft bls):	0-2	0-2	10-12	7-9	8-10
TPH-DRO (C10-C44)	--	--		4340	4170	6160	11200	2730
TPH-GRO (C6-C10)	--	--		348	12 U	1580	2470	129

mg/kg - Milligrams per kilogram

ft bls - Feet below land surface

Table 9. Summary of Volatile Organic Compounds in Groundwater, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: DUP022713 Sample Date: 2/27/2013	FB022713 2/27/2013	MW-1 2/28/2013	MW-2 2/28/2013	MW-4 2/28/2013	MW-5 2/27/2013	MW-7 2/27/2013
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	--	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	--	130 U	130 U	130 U	130 U	130 U	130 U	130 U
2-Butanone (MEK)	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone (MIBK)	--	5 U	5 U	5 U	5 U	2 J	5 U	5 U
Acetone	50	10 U	10 U	10 U	10 U	24.6	10 U	10 U
Benzene	1	1 U	1 U	80.2	5.2	1 U	1 U	1 U
Bromochloromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Bromomethane	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Carbon disulfide	60	2 U	2 U	2 U	0.97 J	2 U	2 U	2 U
Carbon tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	--	5 U	5 U	17.6	8	5 U	5 U	5 U

Table 9. Summary of Volatile Organic Compounds in Groundwater, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: DUP022713 FB022713 MW-1 MW-2 MW-4 MW-5 MW-7 Sample Date: 2/27/2013 2/27/2013 2/28/2013 2/28/2013 2/28/2013 2/27/2013 2/27/2013							
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloropropane	--	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5	1 U	1 U	209	5.3	1 U	1 U	1 U	1 U
Freon 113	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5	2 U	2 U	19.6	17.9	2 U	2 U	2 U	2 U
m+p-Xylene	5	1 U	1 U	462	1.9	1 U	1 U	1 U	1 U
Methyl acetate	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	--	5 U	5 U	24.3	16.2	5 U	5 U	5 U	5 U
Methylene chloride	5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
MTBE	10	0.81 J	1 U	54.9	27	1 U	0.34 J	1 U	1 U
o-Xylene	5	1 U	1 U	136	0.25 J	1 U	1 U	1 U	1 U
Styrene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5	1 U	1 U	32.8	0.87 J	0.42 J	1 U	1 U	1 U
trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5	1 U	1 U	598	2.2	1 U	1 U	1 U	1 U
Total TIC, Volatile	--	0	0	423 J	642 J	13 J	0	0	0

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 9. Summary of Volatile Organic Compounds in Groundwater, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-8 2/27/2013	OB-1 2/27/2013	RX-1 2/27/2013	RX-2 2/27/2013	SB-3 2/15/2013	SP-2 2/27/2013
1,1,1-Trichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5		5 U	5 U	5 U	5 U	5 U	5 U
1,2,4-Trichlorobenzene	5		5 U	5 U	5 U	5 U	5 U	5 U
1,2-Dibromoethane	--		2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	3		1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1		1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3		1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3		1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dioxane	--		130 U	130 U	130 U	130 U	130 U	130 U
2-Butanone (MEK)	50		10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	50		5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone (MIBK)	--		5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U	10 U	10 U	10 U
Benzene	1		1 U	2.1	1 U	1 U	1 U	0.26 J
Bromochloromethane	5		5 U	5 U	5 U	5 U	5 U	5 U
Bromodichloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50		4 U	4 U	4 U	4 U	4 U	4 U
Bromomethane	5		2 U	2 U	2 U	2 U	2 U	2 U
Carbon disulfide	60		2 U	2 U	2 U	2 U	2 U	2 U
Carbon tetrachloride	5		1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	--		1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	5		1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	--		5 U	5 U	5 U	0.46 J	5 U	5 U

Table 9. Summary of Volatile Organic Compounds in Groundwater, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-8 2/27/2013	OB-1 2/27/2013	RX-1 2/27/2013	RX-2 2/27/2013	SB-3 2/15/2013	SP-2 2/27/2013
Dibromochloromethane	50		1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloropropane	--		10 U	10 U	10 U	10 U	10 U	10 U
Dichlorodifluoromethane	5		5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	5		1 U	2.2	1 U	0.41 J	1 U	1 U
Freon 113	--		5 U	5 U	5 U	5 U	5 U	5 U
Isopropylbenzene	5		2 U	2 U	2 U	0.5 J	2 U	2 U
m+p-Xylene	5		1 U	4.7	1 U	1 U	1 U	1 U
Methyl acetate	--		5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	--		5 U	5 U	5 U	0.56 J	5 U	5 U
Methylene chloride	5		2 U	2 U	2 U	2 U	2 U	2 U
MTBE	10		1 U	0.42 J	0.43 J	1 U	1 U	1 U
o-Xylene	5		1 U	3	1 U	1 U	1 U	1 U
Styrene	5		5 U	5 U	5 U	5 U	5 U	5 U
Tetrachloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	--		1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5		5 U	5 U	5 U	5 U	5 U	5 U
Vinyl chloride	2		1 U	1 U	1 U	1 U	1 U	1 U
Xylenes (total)	5		1 U	7.7	1 U	0.29 J	1 U	0.25 J
Total TIC, Volatile	--		0	77.5 J	0	0	0	48.6 J

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 9. Summary of Volatile Organic Compounds in Groundwater, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	TRIP BLANK COOLER 1 2/28/2013	TRIP BLANK COOLER 2 2/28/2013	TRIP BLANK COOLER 3 2/28/2013
1,1,1-Trichloroethane	5		1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5		1 U	1 U	1 U
1,1,2-Trichloroethane	1		1 U	1 U	1 U
1,1-Dichloroethane	5		1 U	1 U	1 U
1,1-Dichloroethene	5		1 U	1 U	1 U
1,2,3-Trichlorobenzene	5		5 U	5 U	5 U
1,2,4-Trichlorobenzene	5		5 U	5 U	5 U
1,2-Dibromoethane	--		2 U	2 U	2 U
1,2-Dichlorobenzene	3		1 U	1 U	1 U
1,2-Dichloroethane	0.6		1 U	1 U	1 U
1,2-Dichloropropane	1		1 U	1 U	1 U
1,3-Dichlorobenzene	3		1 U	1 U	1 U
1,4-Dichlorobenzene	3		1 U	1 U	1 U
1,4-Dioxane	--		130 U	130 U	130 U
2-Butanone (MEK)	50		10 U	10 U	10 U
2-Hexanone	50		5 U	5 U	5 U
4-Methyl-2-pentanone (MIBK)	--		5 U	5 U	5 U
Acetone	50		10 U	10 U	10 U
Benzene	1		1 U	1 U	1 U
Bromochloromethane	5		5 U	5 U	5 U
Bromodichloromethane	50		1 U	1 U	1 U
Bromoform	50		4 U	4 U	4 U
Bromomethane	5		2 U	2 U	2 U
Carbon disulfide	60		2 U	2 U	2 U
Carbon tetrachloride	5		1 U	1 U	1 U
Chlorobenzene	5		1 U	1 U	1 U
Chloroethane	5		1 U	1 U	1 U
Chloroform	7		1 U	1 U	1 U
Chloromethane	--		1 U	1 U	1 U
cis-1,2-Dichloroethene	5		1 U	1 U	1 U
cis-1,3-Dichloropropene	5		1 U	1 U	1 U
Cyclohexane	--		5 U	5 U	5 U

Table 9. Summary of Volatile Organic Compounds in Groundwater, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	TRIP BLANK COOLER 1 2/28/2013	TRIP BLANK COOLER 2 2/28/2013	TRIP BLANK COOLER 3 2/28/2013
Dibromochloromethane	50		1 U	1 U	1 U
Dibromochloropropane	--		10 U	10 U	10 U
Dichlorodifluoromethane	5		5 U	5 U	5 U
Ethylbenzene	5		1 U	1 U	1 U
Freon 113	--		5 U	5 U	5 U
Isopropylbenzene	5		2 U	2 U	2 U
m+p-Xylene	5		1 U	1 U	1 U
Methyl acetate	--		5 U	5 U	5 U
Methylcyclohexane	--		5 U	5 U	5 U
Methylene chloride	5		2 U	2 U	2 U
MTBE	10		1 U	1 U	1 U
o-Xylene	5		1 U	1 U	1 U
Styrene	5		5 U	5 U	5 U
Tetrachloroethene	5		1 U	1 U	1 U
Toluene	5		1 U	1 U	1 U
trans-1,2-Dichloroethene	5		1 U	1 U	1 U
trans-1,3-Dichloropropene	--		1 U	1 U	1 U
Trichloroethene	5		1 U	1 U	1 U
Trichlorofluoromethane	5		5 U	5 U	5 U
Vinyl chloride	2		1 U	1 U	1 U
Xylenes (total)	5		1 U	1 U	1 U
Total TIC, Volatile	--		0	0	0

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 10. Summary of Semivolatile Organic Compounds in Groundwater, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	DUP022713 2/27/2013	FB022713 2/27/2013	MW-1 2/28/2013	MW-2 2/28/2013	MW-4 2/28/2013	MW-5 2/27/2013	MW-7 2/27/2013
1,1'-Biphenyl	--		1 U	1 U	2.8	1.1 U	1 U	1 U	1.1 U
1,2,4,5-Tetrachlorobenzene	--		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
2,2'-oxybis (1-chloropropane)	5		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
2,3,4,6-Tetrachlorophenol	--		5 U	5 U	5.1 U	5.3 U	5.1 U	5.2 U	5.3 U
2,4,5-Trichlorophenol	--		5 U	5 U	5.1 U	5.3 U	5.1 U	5.2 U	5.3 U
2,4,6-Trichlorophenol	--		5 U	5 U	5.1 U	5.3 U	5.1 U	5.2 U	5.3 U
2,4-Dichlorophenol	5		5 U	5 U	5.1 U	5.3 U	5.1 U	5.2 U	5.3 U
2,4-Dimethylphenol	50		5 U	5 U	17	5.3 U	5.1 U	5.2 U	5.3 U
2,4-Dinitrophenol	10		20 U	20 U	20 U	21 U	20 U	21 U	21 U
2,4-Dinitrotoluene	5		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
2,6-Dinitrotoluene	5		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
2-Chloronaphthalene	10		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
2-Chlorophenol	--		5 U	5 U	5.1 U	5.3 U	5.1 U	5.2 U	5.3 U
2-Methylnaphthalene	--		1 U	1 U	57.8	1.1 U	1 U	1 U	1.1 U
2-Methylphenol	--		2 U	2 U	1.7 J	2.1 U	2 U	2.1 U	2.1 U
2-Nitroaniline	5		5 U	5 U	5.1 U	5.3 U	5.1 U	5.2 U	5.3 U
2-Nitrophenol	--		5 U	5 U	5.1 U	5.3 U	5.1 U	5.2 U	5.3 U
3&4-Methylphenol	--		2 U	2 U	4.5	2.1 U	2 U	2.1 U	2.1 U
3,3'-Dichlorobenzidine	5		5 U	5 U	5.1 U	5.3 U	5.1 U	5.2 U	5.3 U
3-Nitroaniline	5		5 U	5 U	5.1 U	5.3 U	5.1 U	5.2 U	5.3 U
4,6-Dinitro-2-methylphenol	--		20 U	20 U	20 U	21 U	20 U	21 U	21 U
4-Bromophenyl phenyl ether	--		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
4-Chloro-3-methylphenol	--		5 U	5 U	5.1 U	5.3 U	5.1 U	5.2 U	5.3 U
4-Chloroaniline	5		5 U	5 U	5.1 U	5.3 U	5.1 U	5.2 U	5.3 U
4-Chlorophenyl phenyl ether	--		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
4-Nitroaniline	5		5 U	5 U	5.1 U	5.3 U	5.1 U	5.2 U	5.3 U
4-Nitrophenol	--		10 U	10 U	10 U	11 U	10 U	10 U	11 U
Acenaphthene	20		1 U	1 U	3.2	2.6	1 U	1 U	1.1 U
Acenaphthylene	20		1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
Acetophenone	--		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
Anthracene	50		1 U	1 U	0.82 J	1.2	1 U	1 U	1.1 U
Atrazine	--		5 U	5 U	5.1 U	5.3 U	5.1 U	5.2 U	5.3 U

Table 10. Summary of Semivolatile Organic Compounds in Groundwater, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	DUP022713 2/27/2013	FB022713 2/27/2013	MW-1 2/28/2013	MW-2 2/28/2013	MW-4 2/28/2013	MW-5 2/27/2013	MW-7 2/27/2013
Benzaldehyde	--		5 U	5 U	5.1 U	5.3 U	5.1 U	5.2 U	5.3 U
Benzo[a]anthracene	0.002		1 U	1 U	1 U	1.2	1 U	1 U	1.1 U
Benzo[a]pyrene	0		1 U	1 U	1 U	0.81 J	1 U	1 U	1.1 U
Benzo[b]fluoranthene	0.002		1 U	1 U	1 U	0.7 J	1 U	1 U	1.1 U
Benzo[g,h,i]perylene	--		1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
Benzo[k]fluoranthene	0.002		1 U	1 U	1 U	0.84 J	1 U	1 U	1.1 U
Bis(2-chloroethoxy)methane	5		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
Bis(2-chloroethyl) ether	--		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
Bis(2-ethylhexyl) phthalate	5		2 U	2 U	2 U	7.2	2.4	1.6 J	2.2
Butylbenzyl phthalate	50		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
Caprolactam	--		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
Carbazole	--		1 U	1 U	21.7	1.1 U	1 U	1 U	1.1 U
Chrysene	0.002		1 U	1 U	1 U	1.3	1 U	1 U	1.1 U
Dibenzo[a,h]anthracene	--		1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
Dibenzofuran	--		5 U	5 U	1.4 J	5.3 U	5.1 U	5.2 U	5.3 U
Diethyl phthalate	50		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
Dimethyl phthalate	50		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
Di-n-butyl phthalate	50		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
Di-n-octyl phthalate	--		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
Fluoranthene	50		0.53 J	1 U	0.93 J	3.2	1 U	1 U	1.1 U
Fluorene	50		1 U	1 U	4.8	1.2	1 U	1 U	1.1 U
Hexachlorobenzene	0.04		1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
Hexachlorobutadiene	0.5		1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
Hexachlorocyclopentadiene	5		10 U	10 U	10 U	11 U	10 U	10 U	11 U
Hexachloroethane	5		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
Indeno[1,2,3-cd]pyrene	0.002		1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U
Isophorone	50		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
Naphthalene	10		1 U	1 U	73.4	1.1 U	1 U	1 U	1.1 U
Nitrobenzene	0.4		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
n-Nitrosodi-n-propylamine	--		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
n-Nitrosodiphenylamine	50		5 U	5 U	5.1 U	5.3 U	5.1 U	5.2 U	5.3 U
Pentachlorophenol	1		10 U	10 U	10 U	11 U	10 U	10 U	11 U

Table 10. Summary of Semivolatile Organic Compounds in Groundwater, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	DUP022713 2/27/2013	FB022713 2/27/2013	MW-1 2/28/2013	MW-2 2/28/2013	MW-4 2/28/2013	MW-5 2/27/2013	MW-7 2/27/2013
Phenanthrene	50		1 U	1 U	6.5	9.1	1 U	1 U	1.1 U
Phenol	1		2 U	2 U	2 U	2.1 U	2 U	2.1 U	2.1 U
Pyrene	50		0.65 J	1 U	0.99 J	6	1 U	1 U	1.1 U
Total TIC, Semi-Volatile			4 J	0	1209 J	479 J	169.7 J	0	0

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

- - No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 10. Summary of Semivolatile Organic Compounds in Groundwater, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-8 2/27/2013	OB-1 2/27/2013	RX-1 2/27/2013	RX-2 2/27/2013	SB-3 2/15/2013	SP-2 2/27/2013
1,1'-Biphenyl	--		1 U	1 U	1.1 U	1.1 U	1 U	1 U
1,2,4,5-Tetrachlorobenzene	--		2 U	2 U	2.2 U	2.1 U	2 U	2 U
2,2'-oxybis (1-chloropropane)	5		2 U	2 U	2.2 U	2.1 U	2 U	2 U
2,3,4,6-Tetrachlorophenol	--		5.1 U	5.1 U	5.5 U	5.3 U	5 U	5.1 U
2,4,5-Trichlorophenol	--		5.1 U	5.1 U	5.5 U	5.3 U	5 U	5.1 U
2,4,6-Trichlorophenol	--		5.1 U	5.1 U	5.5 U	5.3 U	5 U	5.1 U
2,4-Dichlorophenol	5		5.1 U	5.1 U	5.5 U	5.3 U	5 U	5.1 U
2,4-Dimethylphenol	50		5.1 U	5.1 U	5.5 U	5.3 U	5 U	5.1 U
2,4-Dinitrophenol	10		20 U	20 U	22 U	21 U	20 U	20 U
2,4-Dinitrotoluene	5		2 U	2 U	2.2 U	2.1 U	2 U	2 U
2,6-Dinitrotoluene	5		2 U	2 U	2.2 U	2.1 U	2 U	2 U
2-Chloronaphthalene	10		2 U	2 U	2.2 U	2.1 U	2 U	2 U
2-Chlorophenol	--		5.1 U	5.1 U	5.5 U	5.3 U	5 U	5.1 U
2-Methylnaphthalene	--		1 U	3.4	1.1 U	1.1 U	1 U	0.6 J
2-Methylphenol	--		2 U	2 U	2.2 U	2.1 U	2 U	2 U
2-Nitroaniline	5		5.1 U	5.1 U	5.5 U	5.3 U	5 U	5.1 U
2-Nitrophenol	--		5.1 U	5.1 U	5.5 U	5.3 U	5 U	5.1 U
3&4-Methylphenol	--		2 U	2 U	2.2 U	2.1 U	2 U	2 U
3,3'-Dichlorobenzidine	5		5.1 U	5.1 U	5.5 U	5.3 U	5 U	5.1 U
3-Nitroaniline	5		5.1 U	5.1 U	5.5 U	5.3 U	5 U	5.1 U
4,6-Dinitro-2-methylphenol	--		20 U	20 U	22 U	21 U	20 U	20 U
4-Bromophenyl phenyl ether	--		2 U	2 U	2.2 U	2.1 U	2 U	2 U
4-Chloro-3-methylphenol	--		5.1 U	5.1 U	5.5 U	5.3 U	5 U	5.1 U
4-Chloroaniline	5		5.1 U	5.1 U	5.5 U	5.3 U	5 U	5.1 U
4-Chlorophenyl phenyl ether	--		2 U	2 U	2.2 U	2.1 U	2 U	2 U
4-Nitroaniline	5		5.1 U	5.1 U	5.5 U	5.3 U	5 U	5.1 U
4-Nitrophenol	--		10 U	10 U	11 U	11 U	10 U	10 U
Acenaphthene	20		1 U	0.97 J	1.1 U	1.1 U	1 U	1 U
Acenaphthylene	20		1 U	1 U	1.1 U	1.1 U	1 U	1 U
Acetophenone	--		2 U	2 U	2.2 U	2.1 U	2 U	2 U
Anthracene	50		1 U	1 U	1.1 U	1.1 U	1 U	1 U
Atrazine	--		5.1 U	5.1 U	5.5 U	5.3 U	5 U	5.1 U

Table 10. Summary of Semivolatile Organic Compounds in Groundwater, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-8 2/27/2013	OB-1 2/27/2013	RX-1 2/27/2013	RX-2 2/27/2013	SB-3 2/15/2013	SP-2 2/27/2013
Benzaldehyde	--		5.1 U	5.1 U	5.5 U	5.3 U	5 U	5.1 U
Benzo[a]anthracene	0.002		1 U	1 U	1.1 U	1.1 U	1 U	1 U
Benzo[a]pyrene	0		1 U	1 U	1.1 U	1.1 U	1 U	1 U
Benzo[b]fluoranthene	0.002		1 U	1 U	1.1 U	1.1 U	1 U	1 U
Benzo[g,h,i]perylene	--		1 U	1 U	1.1 U	1.1 U	1 U	1 U
Benzo[k]fluoranthene	0.002		1 U	1 U	1.1 U	1.1 U	1 U	1 U
Bis(2-chloroethoxy)methane	5		2 U	2 U	2.2 U	2.1 U	2 U	2 U
Bis(2-chloroethyl) ether	--		2 U	2 U	2.2 U	2.1 U	2 U	2 U
Bis(2-ethylhexyl) phthalate	5		2 U	1.6 J	2.2 U	2 J	2 U	2 U
Butylbenzyl phthalate	50		2 U	2 U	2.2 U	2.1 U	2 U	2 U
Caprolactam	--		2 U	2 U	2.2 U	2.1 U	2 U	2 U
Carbazole	--		1 U	1 U	1.1 U	1.1 U	1 U	18.8
Chrysene	0.002		1 U	1 U	1.1 U	1.1 U	1 U	1 U
Dibenzo[a,h]anthracene	--		1 U	1 U	1.1 U	1.1 U	1 U	1 U
Dibenzofuran	--		5.1 U	5.1 U	5.5 U	5.3 U	5 U	5.1 U
Diethyl phthalate	50		2 U	2 U	2.2 U	2.1 U	2 U	2 U
Dimethyl phthalate	50		2 U	2 U	2.2 U	2.1 U	2 U	2 U
Di-n-butyl phthalate	50		2 U	2 U	2.2 U	2.1 U	2 U	2 U
Di-n-octyl phthalate	--		2 U	2 U	2.2 U	2.1 U	2 U	2 U
Fluoranthene	50		1 U	1 U	1.1 U	1.1 U	1 U	1 U
Fluorene	50		1 U	1.3	1.1 U	1.1 U	1 U	1 U
Hexachlorobenzene	0.04		1 U	1 U	1.1 U	1.1 U	1 U	1 U
Hexachlorobutadiene	0.5		1 U	1 U	1.1 U	1.1 U	1 U	1 U
Hexachlorocyclopentadiene	5		10 U	10 U	11 U	11 U	10 U	10 U
Hexachloroethane	5		2 U	2 U	2.2 U	2.1 U	2 U	2 U
Indeno[1,2,3-cd]pyrene	0.002		1 U	1 U	1.1 U	1.1 U	1 U	1 U
Isophorone	50		2 U	2 U	2.2 U	2.1 U	2 U	2 U
Naphthalene	10		1 U	0.85 J	1.1 U	1.1 U	1 U	1 U
Nitrobenzene	0.4		2 U	2 U	2.2 U	2.1 U	2 U	2 U
n-Nitrosodi-n-propylamine	--		2 U	2 U	2.2 U	2.1 U	2 U	2 U
n-Nitrosodiphenylamine	50		5.1 U	5.1 U	5.5 U	5.3 U	5 U	5.1 U
Pentachlorophenol	1		10 U	10 U	11 U	11 U	10 U	10 U

Table 10. Summary of Semivolatile Organic Compounds in Groundwater, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-8 2/27/2013	OB-1 2/27/2013	RX-1 2/27/2013	RX-2 2/27/2013	SB-3 2/15/2013	SP-2 2/27/2013
Phenanthrene	50		1 U	2.9	1.1 U	1.1 U	1 U	1 U
Phenol	1		2 U	2 U	2.2 U	2.1 U	2 U	2 U
Pyrene	50		1 U	1.3	1.1 U	1.1 U	1 U	1 U
Total TIC, Semi-Volatile			0	260.4 J	4.7 J	0	0	23.7 J

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

- - No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 11. Summary of Metals in Groundwater, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: DUP022713 Sample Date: 2/27/2013	FB022713 2/27/2013	MW-1 2/28/2013	MW-2 2/28/2013	MW-4 2/28/2013	MW-5 2/27/2013	MW-7 2/27/2013	MW-8 2/27/2013
Aluminum	--	1140	200 U	200 U	903	200 U	225	658	200 U
Antimony	3	6 U	6 U	6 U	6 U	6 U	60 U	6 U	60 U
Arsenic	25	3 U	3 U	3 U	3 U	3 U	30 U	3 U	30 U
Barium	1000	657	200 U	200 U	216	200 U	200 U	200 U	200 U
Beryllium	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	5	9.1	3 U	3 U	3 U	3 U	30 U	3 U	30 U
Calcium	--	271000	5000 U	44700	144000	139000	224000	5000 U	197000
Chromium	50	10 U	10 U	10 U	10 U	100 U	100 U	10 U	100 U
Cobalt	--	50 U	50 U	50 U	50 U	50 U	500 U	50 U	500 U
Copper	200	17.4	10 U	10 U	22.7	100 U	100 U	10 U	100 U
Iron	300	5740	100 U	20300	5310	767	522	3590	100 U
Lead	25	84	3 U	3 U	30 U	30 U	30 U	8.2	30 U
Magnesium	--	89900	5000 U	7610	368000	423000	666000	5000 U	544000
Manganese	300	7470	15 U	1070	2000	150 U	150 U	26	150 U
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	14.6	10 U	10 U	100 U	100 U	100 U	10 U	100 U
Potassium	--	33100	10000 U	10000 U	136000	146000	244000	10000 U	200000
Selenium	10	10 U	10 U	10 U	10 U	10 U	100 U	10 U	100 U
Silver	50	10 U	10 U	10 U	10 U	100 U	100 U	10 U	100 U
Sodium	20000	1250000	10000 U	392000	3100000	3970000	6810000	114000	5080000
Thallium	0.5	2 U	2 U	2 U	20 U	20 U	20 U	2 U	20 U
Vanadium	--	50 U	50 U	50 U	50 U	500 U	500 U	50 U	500 U
Zinc	2000	134	20 U	20 U	200 U	127	200 U	87.6	200 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 11. Summary of Metals in Groundwater, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	OB-1 2/27/2013	RX-1 2/27/2013	RX-2 2/27/2013	SP-2 2/27/2013	SB-3 2/15/2013 Filtered	SB-3 2/15/2013
Aluminum	--		276	1250	621	200 U	200 U	715
Antimony	3		6 U	6 U	60 U	6 U	6 U	6 U
Arsenic	25		3.5	3 U	30 U	3 U	3 U	3 U
Barium	1000		348	622	200 U	200 U	200 U	200 U
Beryllium	3		1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	5		3 U	8.4	30 U	3 U	3 U	3 U
Calcium	--		408000	267000	205000	5000 U	64000	63500
Chromium	50		10 U	10 U	100 U	10 U	10 U	10 U
Cobalt	--		50 U	50 U	500 U	50 U	50 U	50 U
Copper	200		34.6	19.6	100 U	10 U	12.9	23.7
Iron	300		2260	5530	1350	332	1380	2200
Lead	25		5.8	86.8	42.6	3 U	3 U	7.4
Magnesium	--		44000	97000	627000	5000 U	13300	13400
Manganese	300		3700	7170	150 U	1250	674	672
Mercury	0.7		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.27
Nickel	100		10 U	14.8	100 U	10 U	17.2	13.4
Potassium	--		20600	34500	248000	10000 U	10000 U	10000 U
Selenium	10		10 U	10 U	100 U	10 U	10 U	10 U
Silver	50		10 U	10 U	100 U	10 U	10 U	10 U
Sodium	20000		510000	1290000	7460000	232000	509000	512000
Thallium	0.5		2 U	2 U	20 U	2 U	4 U	2 U
Vanadium	--		50 U	50 U	500 U	50 U	50 U	50 U
Zinc	2000		20 U	140	200 U	20 U	20 U	20 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 12. Summary of Polychlorinated Biphenyls in Groundwater, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: DUP022713 Sample Date: 2/27/2013	FB022713 2/27/2013	MW-7 2/27/2013	MW-8 2/27/2013	RX-1 2/27/2013	SB-3 2/15/2013
Aroclor-1016	--	0.56 U	0.5 U	0.57 U	0.53 U	0.52 U	0.5 U
Aroclor-1221	--	0.56 U	0.5 U	0.57 U	0.53 U	0.52 U	0.5 U
Aroclor-1232	--	0.56 U	0.5 U	0.57 U	0.53 U	0.52 U	0.5 U
Aroclor-1242	--	0.56 U	0.5 U	0.57 U	0.53 U	0.52 U	0.5 U
Aroclor-1248	--	0.56 U	0.5 U	0.57 U	0.53 U	0.52 U	0.5 U
Aroclor-1254	--	0.56 U	0.5 U	0.57 U	0.53 U	0.52 U	0.5 U
Aroclor-1260	--	0.56 U	0.5 U	0.57 U	0.53 U	0.52 U	0.5 U
Aroclor-1262	--	0.56 U	0.5 U	0.57 U	0.53 U	0.52 U	0.5 U
Aroclor-1268	--	0.56 U	0.5 U	0.57 U	0.53 U	0.52 U	0.5 U
Total PCBs	0.09	0	0	0	0	0	0

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

U - Compound was analyzed for but not detected

- - No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

PCBs - Polychlorinated Biphenyls

Table 13. Summary of Pesticides in Groundwater, 224 East Main Street, New Rochelle, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: DUP022713 Sample Date: 2/27/2013	FB022713 2/27/2013	MW-7 2/27/2013	MW-8 2/27/2013	RX-1 2/27/2013	SB-3 2/15/2013
4,4'-DDD	0.3	0.013	0.01 U	0.011 U	0.011 U	0.015	0.01 U
4,4'-DDE	0.2	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
4,4'-DDT	0.2	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
Aldrin	0	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
alpha-BHC	--	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
alpha-Chlordane	--	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
beta-BHC	--	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
delta-BHC	--	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
Dieldrin	0.004	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
Endosulfan I	--	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
Endosulfan II	--	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
Endosulfan sulfate	--	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
Endrin aldehyde	5	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
Endrin ketone	--	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
Endrin	0	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
gamma-BHC (Lindane)	--	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
gamma-Chlordane	0	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
Heptachlor epoxide	0.03	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
Heptachlor	0.04	0.011 U	0.01 U	0.011 U	0.011 U	0.011 U	0.01 U
Methoxychlor	35	0.022 U	0.02 U	0.021 U	0.021 U	0.022 U	0.02 U
Toxaphene	0.06	0.27 U	0.25 U	0.26 U	0.27 U	0.27 U	0.25 U

NYSDEC - New York State Department of Environmental Conservation

AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

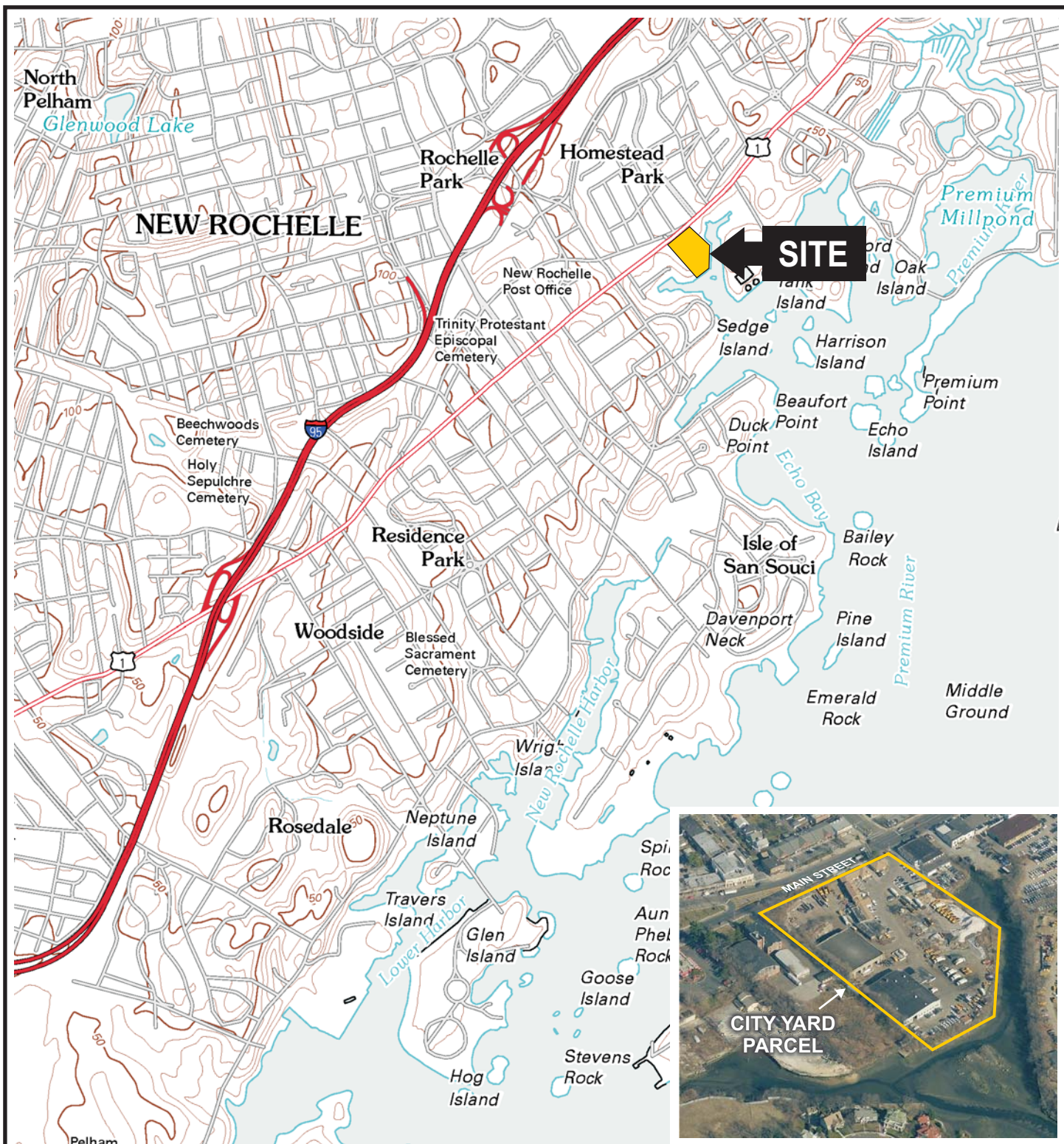
U - Compound was analyzed for but not detected

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

**Phase II Environmental Site Assessment (Phase II ESA)
224 East Main Street, New Rochelle, New York**

FIGURES



QUADRANGLE LOCATION



SOURCE:
USGS; 2010, New Rochelle, NY
7.5 Minute Topographic Quadrangle



0 2000'

Title:

SITE LOCATION MAP

CITY YARD PARCEL
ECHO BAY WATERFRONT REDEVELOPMENT

Prepared for:

FOREST CITY RESIDENTIAL GROUP

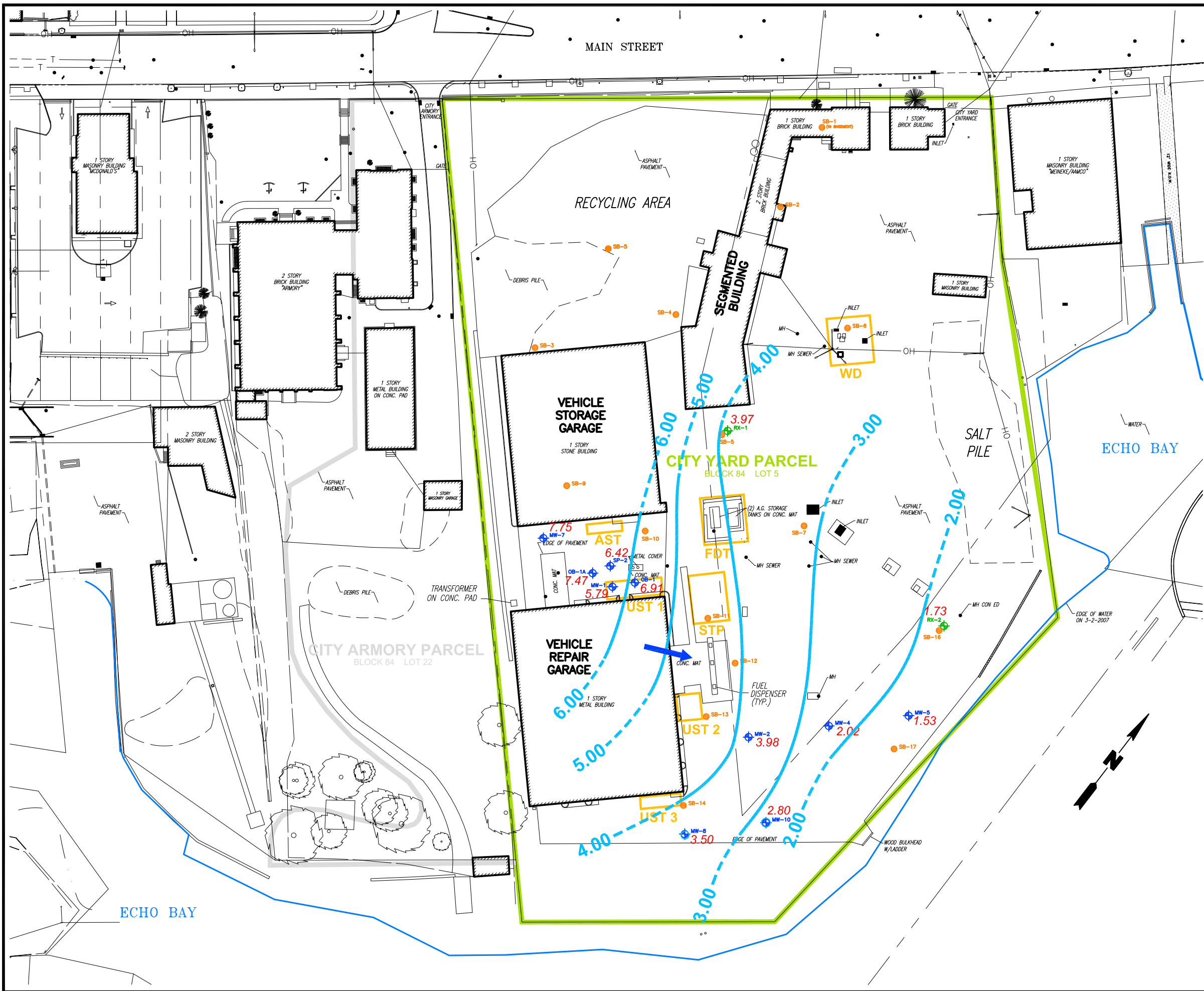
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Environmental Consulting
& Management

Compiled by: R.S.K.	Date: 21MAY13
Prepared by: B.H.C.	Scale: AS SHOWN
Project Mgr.: R.S.K.	Project No.: 0924.0031Y002
File: 0924.0031Y108.02.CDR	

FIGURE

1

V:\CAD\PROJECTS\0924\0031Y\108\0924.0031Y108.01.DWG



- LEGEND**
- SB-17 LOCATION AND DESIGNATION OF SOIL BORING
 - RX-2 LOCATION AND DESIGNATION OF MONITORING WELL INSTALLED BY ROUX ASSOCIATES, INC.
 - MW-5 LOCATION AND DESIGNATION OF PREVIOUSLY INSTALLED MONITORING WELL
 - 1.73 GROUNDWATER ELEVATION, IN FEET ABOVE MEAN SEA LEVEL (MSL)
 - 2.00 LINE OF EQUAL GROUNDWATER ELEVATION, IN FEET ABOVE MEAN SEA LEVEL (MSL). DASHED WHERE INFERRED.
 - INFERRED GROUNDWATER FLOW DIRECTION
 - APPROXIMATE PROJECT LIMITS
 - AST ABOVEGROUND STORAGE TANK
 - UST 1 LOCATION OF HISTORIC HEATING OIL UST, TWO GASOLINE USTs AND ONE DIESEL UST (ALL REMOVED)
 - UST 2 LOCATION OF FOUR HISTORIC MOTOR OIL USTs (REMOVED)
 - UST 3 LOCATION OF FOUR HISTORIC WASTE OIL USTs (REMOVED)
 - STP GENERAL AREA OF HISTORIC SEWAGE TREATMENT AND DISPOSAL PLANT WITH TRANSFORMERS AREA
 - WD STREET SWEEPER WASHDOWN STATION AND LIQUID CALCIUM CHLORIDE AST. HISTORIC KEROSENE STORAGE TANK IN THIS AREA
 - FDT GASOLINE AST AND DIESEL AST FOR FUEL DISPENSING

NOTE:
MONITORING WELLS MW-1 AND OB-1 NOT USED TO CALCULATE GROUNDWATER CONTOURS DUE TO PRESENCE OF SEPARATE PHASE HYDROCARBONS.

Title: GROUNDWATER ELEVATION CONTOUR MAP FEBRUARY 27, 2013 CITY YARD PARCEL ECHO BAY WATERFRONT REDEVELOPMENT			
Prepared For: FOREST CITY RESIDENTIAL GROUP			
ROUX ROUX ASSOCIATES, INC. Environmental Consulting & Management	Compiled by: R.M.	Date: 21MAY13	FIGURE 2
	Prepared by: B.H.C.	Scale: AS SHOWN	
	Project Mgr: R.S.K.	Project:	
	File: 0924.0031Y108.01.DWG		

**Phase II Environmental Site Assessment (Phase II ESA)
224 East Main Street, New Rochelle, New York**

APPENDICES

**Phase II Environmental Site Assessment (Phase II ESA)
224 East Main Street, New Rochelle, New York**

APPENDIX A

**Soil Boring and Monitoring Well
Construction Logs**



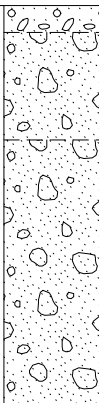
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SOIL BORING LOG

WELL NO. SB-1	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 0924.0031Y002 / Echo Bay Redevelopment		LOCATION 224 East Main Street
APPROVED BY R. Kovacs	LOGGED BY A Hoffmann	New Rochelle, NY
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Andrea Larkin		GEOGRAPHIC AREA City Yard / Below Basement Slab
DRILL BIT DIAMETER/TYPE /	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD / Hand Auger
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 3" Hand Auger
		START-FINISH DATE 2/11/13-2/11/13
BACKFILL		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
1		CONCRETE Brown fine to coarse SAND, some Gravel, trace concrete; moist		0.0	Soil sample SB-1_0-2 collected for VOCs, SVOCs, and Metals
2		Brown fine to coarse SAND, some Gravel and Concrete, trace weathered bedrock; moist	G		
3					Bottom of boring at 3 ft below slab



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SOIL BORING LOG

WELL NO. SB-2	NORTHING Not Measured	EASTING Not Measured		
PROJECT NO./NAME 0924.0031Y002 / Echo Bay Redevelopment		LOCATION 224 East Main Street		
APPROVED BY R. Kovacs	LOGGED BY A Hoffmann	New Rochelle, NY		
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Andrea Larkin		GEOGRAPHIC AREA City Yard / Below Slab		
DRILL BIT DIAMETER/TYPE /	BOREHOLE DIAMETER	DRILLING EQUIPMENT/METHOD / Hand Auger	SAMPLING METHOD 3" Hand Auger	START-FINISH DATE 2/11/13-2/11/13
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	BACKFILL		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
1		CONCRETE		0.0	Soil sample SB-2_0-2 collected for VOCs, SVOCs, and Metals
2		Brown fine to coarse SAND, some Gravel, trace concrete; moist	G		Bottom of boring at 2 ft below slab



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WELL CONSTRUCTION LOG

WELL NO. SB-3	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 0924.0031Y002 / Echo Bay Redevelopment		LOCATION 224 East Main Street
APPROVED BY R. Kovacs	LOGGED BY A Hoffmann	New Rochelle, NY
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Andrea Larkin		GEOGRAPHIC AREA City Yard
DRILL BIT DIAMETER/TYPE 2 inches / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
CASING MAT./DIA. PVC / 1-inch		SAMPLING METHOD 2" Macro-Core
SCREEN: TYPE Slotted MAT. PVC TOTAL LENGTH 3.5 ft DIA. 1-inch SLOT SIZE 20-Slot		START-FINISH DATE 2/14/13-2/14/13
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING
		TOP & BOTTOM SCREEN /
		GRAVEL PACK SIZES #2

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
1		ASPHALT		0.4	Soil sample SB-3_0-2 collected for VOCs, SVOCs, Metals, Pesticides, and PCBs
2		FILL (Brown fine to coarse SAND, some Gravel; moist)			Groundwater sample SB-3 collected for VOCs, SVOCs, Metals, Pesticides, and PCBs
3		Weathered Bedrock fragments			Temporary well set at SB-3
					Refusal at 3.5 ft bls



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SOIL BORING LOG

WELL NO. SB-4	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 0924.0031Y002 / Echo Bay Redevelopment	LOCATION 224 East Main Street	
APPROVED BY R. Kovacs	LOGGED BY A Hoffmann	New Rochelle, NY
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Andrea Larkin	GEOGRAPHIC AREA City Yard	
DRILL BIT DIAMETER/TYPE 2 inches / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/14/13-2/14/13
		BACKFILL

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT			
1		Brown fine to coarse SAND, some Gravel, trace silt; wet		123.2	Soil sample SB-4_0-2 collected for VOCs, SVOCs, and Metals
		Weathered Bedrock fragments			
2					Refusal at 2 ft bls



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WELL CONSTRUCTION LOG

WELL NO. SB-5/RX-1	NORTHING 758667.67	EASTING 693438.68
PROJECT NO./NAME 0924.0031Y002 / Echo Bay Redevelopment	LOCATION 224 East Main Street	
APPROVED BY R. Kovacs	LOGGED BY A Hoffmann	New Rochelle, NY
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Andrea Larkin	GEOGRAPHIC AREA City Yard	
DRILL BIT DIAMETER/TYPE 2 inches / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
CASING MAT./DIA. PVC / 2-inch	SCREEN: TYPE Slotted	MAT. PVC
ELEVATION OF: (Feet)	GROUND SURFACE 14.04	TOP OF WELL CASING 13.57
		TOP & BOTTOM SCREEN 10.0 / -3.0
		GRAVEL PACK SIZES #2
		TOTAL LENGTH 13.0ft
		DIA. 2-inch
		SLOT SIZE 20-Slot

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	J-Plug	ASPHALT		0.0	Groundwater sample RX-1 collected for VOCs, SVOCs, Metals, Pesticides, and PCBs
		CONCRETE			
	4 feet of 2" schedule 40 PVC riser	Brown fine to coarse SAND, some Silt and Gravel; moist			
5		Brownish grey coarse SAND, some Gravel and fine to medium Sand, trace clay; moist			
		Brown fine to coarse SAND, some Gravel, trace silt; moist		42.3	
10		Brown SILT, some fine to coarse SAND, trace clay; moist		286	Soil sample SB-5_10-12 collected for VOCs, SVOCs, Metals, Pesticides, and PCBs Staining
	13 feet of 2" 0.20 slot screen			3.9	Soil sample SB-5_13-15 collected for VOCs, SVOCs, and Metals
15					Bottom of boring at 15 ft bls

BORING/FEET 0924.0031Y002.GPJ ROUX.GDT 5/21/13



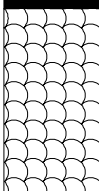
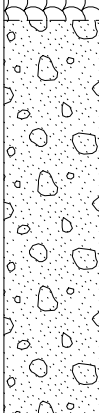
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SOIL BORING LOG

WELL NO. SB-6	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 0924.0031Y002 / Echo Bay Redevelopment	LOCATION 224 East Main Street	
APPROVED BY R. Kovacs	LOGGED BY A Hoffmann	New Rochelle, NY
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Andrea Larkin	GEOGRAPHIC AREA City Yard	
DRILL BIT DIAMETER/TYPE 2 inches / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/7/13-2/13/13
		BACKFILL

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT			
1		FILL (Brown fine to coarse SAND, some Gravel and Concrete; moist)		0.0	Soil sample SB-5_0-2 collected for VOCs, SVOC, Metals, Pesticides, and PCBs
2		Brown fine to coarse SAND, some Gravel and Weathered Bedrock fragments; moist	G		
3					
4					
5					Refusal at 5 ft bls



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SOIL BORING LOG

WELL NO. SB-7	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 0924.0031Y002 / Echo Bay Redevelopment	LOCATION 224 East Main Street	
APPROVED BY R. Kovacs	LOGGED BY A Hoffmann	New Rochelle, NY
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Andrea Larkin	GEOGRAPHIC AREA City Yard	
DRILL BIT DIAMETER/TYPE 2 inches / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/7/13-2/13/13
		BACKFILL

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT		1.8	
		FILL (Brown fine to coarse SAND, some Gravel, Concrete, and Brick; moist)			
		Brown coarse SAND and Weathered Bedrock fragments, some Gravel, trace fine to medium sand; moist	G		
5		Brown fine to coarse SAND, some Gravel, trace cobble; moist		0.0	
		Grey fine to coarse SAND, some Silt, trace gravel; wet		286.4	Soil sample SB-7_7-9 collected for VOCs, SVOCs, and Metals Staining, odor
10		PEAT		86.2	
		Grey SILT, trace clay and fine sand; wet		8.1	Soil sample SB-7_10-12 collected for VOCs, SVOCs, and Metals
15					Bottom of boring at 15 ft bls

BORING/FEET 0924.0031Y002.GPJ ROUX.GDT 5/21/13



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SOIL BORING LOG

WELL NO. SB-9	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 0924.0031Y002 / Echo Bay Redevelopment	LOCATION 224 East Main Street	
APPROVED BY R. Kovacs	LOGGED BY A Hoffmann	New Rochelle, NY
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Andrea Larkin	GEOGRAPHIC AREA City Yard	
DRILL BIT DIAMETER/TYPE 2 inches / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/7/13-2/13/13
		BACKFILL

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE		0.0	Soil sample SB-9_0-2 collected for VOCs, SVOCs, and Metals
		FILL (Brown fine to coarse SAND, some Gravel and Concrete; moist)			
5		Weathered Bedrock fragments		0.0	
		Reddish brown fine to coarse SAND and SILT, trace gravel; moist			
		Weathered Bedrock fragments			
		Reddish brown fine to coarse SAND, some Silt; wet			
10		Reddish brown fine to coarse SAND, some Silt, trace gravel; wet		0.0	
		Weathered Bedrock fragments			
					Refusal at 14 ft bls

BORING/FEET 0924.0031Y002.GPJ ROUX.GDT 5/21/13



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SOIL BORING LOG

WELL NO. SB-10	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 0924.0031Y002 / Echo Bay Redevelopment	LOCATION 224 East Main Street	
APPROVED BY R. Kovacs	LOGGED BY A Hoffmann	New Rochelle, NY
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Andrea Larkin	GEOGRAPHIC AREA City Yard	
DRILL BIT DIAMETER/TYPE 2 inches / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/11/13-2/12/13
		BACKFILL

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID V a l u e s (ppm)	REMARKS
		ASPHALT		0.0	
		FILL (Brown fine to coarse SAND, some Gravel, trace brick and concrete; moist)		101.6	
5		Brown fine to coarse SAND, some Gravel, trace silt; moist			
		Brown fine to coarse SAND, some Silt, trace gravel; wet		1646	Soil sample SB-10_8-10 collected for VOCs, SVOCs, and Metals
10		Brown fine to coarse SAND, trace silt; wet		1260	
		Reddish brown fine to coarse SAND; wet		64.1	Soil sample SB-10_14-16 collected for VOCs, SVOCs, and Metals
15					Bottom of boring at 16 ft bls

BORING/FEET 0924.0031Y002.GPJ ROUX.GDT 5/21/13



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SOIL BORING LOG

WELL NO. SB-11	NORTHING Not Measured	EASTING Not Measured		
PROJECT NO./NAME 0924.0031Y002 / Echo Bay Redevelopment		LOCATION 224 East Main Street		
APPROVED BY R. Kovacs	LOGGED BY A Hoffmann	New Rochelle, NY		
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Andrea Larkin		GEOGRAPHIC AREA City Yard		
DRILL BIT DIAMETER/TYPE 2 inches / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 2/6/13-2/12/13
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	BACKFILL		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID V al u e s (ppm)	REMARKS
		ASPHALT			
		CONCRETE			
		FILL (Brown fine to coarse SAND and GRAVEL, some Concrete and Boulder; moist)			
		FILL (Brown fine to coarse SAND and GRAVEL, some Concrete; moist)			
5		Brown fine to coarse SAND, some Gravel, trace brick; moist			
		Brown fine to coarse SAND, some Gravel, trace silt; wet			
10		GRAVEL, some brown fine to coarse Sand; wet			
		WOOD and BRICK, some fine to coarse Sand; wet			
15		Brown fine to coarse SAND, some Gravel; wet			
		Soil sample SB-11_17-19 collected for VOCs, SVOCs, Metals, Pesticides, and PCBs			
20		Refusal at 20 ft bls			

BORING/FEET 0924.0031Y002.GPJ ROUX.GDT 5/21/13



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SOIL BORING LOG

WELL NO. SB-12	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 0924.0031Y002 / Echo Bay Redevelopment	LOCATION 224 East Main Street	
APPROVED BY R. Kovacs	LOGGED BY A Hoffmann	New Rochelle, NY
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Andrea Larkin	GEOGRAPHIC AREA City Yard	
DRILL BIT DIAMETER/TYPE 2 inches / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/6/13-2/12/13
		BACKFILL

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT			
		FILL (Brownish grey fine to coarse SAND, some Gravel; moist)		78.4	
		Brown fine to coarse SAND, some Gravel and Brick, trace silt; moist		280.1	
5					5
		Brown fine to coarse SAND, some Silt, trace gravel; wet		30.1	
10					10
		Brown fine to coarse SAND, some Silt; wet		1498	Visible product, staining, odor Soil sample SB-12_10-12 collected for VOCs, SVOCs, and Metals
15					15
		Brown fine to coarse SAND, some Silt; wet		542.6	Soil sample SB-12_14-16 collected for VOCs, SVOCs, and Metals
					Refusal at 16 ft bls

BORING/FEET 0924.0031Y002.GPJ ROUX.GDT 5/21/13



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SOIL BORING LOG

WELL NO. SB-13	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 0924.0031Y002 / Echo Bay Redevelopment	LOCATION 224 East Main Street	
APPROVED BY R. Kovacs	LOGGED BY A Hoffmann	New Rochelle, NY
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Andrea Larkin	GEOGRAPHIC AREA City Yard	
DRILL BIT DIAMETER/TYPE 2 inches / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/7/13-2/12/13
		BACKFILL

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT			
1		FILL (Dark grey fine to coarse SAND, some Gravel; dry)		10.6	
2		FILL (Grey fine to coarse SAND, some Gravel; dry)			
3				18.9	
4					
5		Brown fine to coarse SAND, some Gravel, trace silt; moist			
6				860	
7					Staining, visible product, odor Soil sample SB-9_7-9 collected for VOCs, SVOCs, and Metals
8				1286	
9		Weathered Bedrock fragments; dry			
10				132	Refusal at 10 ft bls

BORING/FEET 0924.0031Y002.GPJ ROUX.GDT 5/21/13



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SOIL BORING LOG

WELL NO. SB-14	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 0924.0031Y002 / Echo Bay Redevelopment	LOCATION 224 East Main Street	
APPROVED BY R. Kovacs	LOGGED BY A Hoffmann	New Rochelle, NY
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Andrea Larkin	GEOGRAPHIC AREA City Yard	
DRILL BIT DIAMETER/TYPE 2 inches / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/4/13-2/12/13
		BACKFILL

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT		0.0	
		FILL (GRAVEL, some brown fine to coarse Sand; dry)			
		FILL (Brown fine to coarse SAND and GRAVEL; moist)			
5		Brown fine to coarse SAND, some Gravel, trace silt; moist		26.8	Staining, odor
		Weathered Bedrock fragments; dry			
10				10.1	
					Soil sample SB-14_6-8 collected for VOCs, SVOCs, Metals, Pesticides, and PCBs
					Refusal at 11 ft bls

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WELL CONSTRUCTION LOG

WELL NO. SB-16/RX-2	NORTHING 758651.93	EASTING 693680.22
PROJECT NO./NAME 0924.0031Y002 / Echo Bay Redevelopment	LOCATION 224 East Main Street	
APPROVED BY R. Kovacs	LOGGED BY A Hoffmann	New Rochelle, NY
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Andrea Larkin	GEOGRAPHIC AREA City Yard	
DRILL BIT DIAMETER/TYPE 2 inches / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
CASING MAT./DIA. PVC / 2-inch	SCREEN: TYPE Slotted MAT. PVC	SAMPLING METHOD 2" Macro-Core
ELEVATION OF: (Feet)	GROUND SURFACE 9.54	TOP OF WELL CASING 9.13
		TOP & BOTTOM SCREEN 6.5 / -8.5
		GRAVEL PACK SIZES #2
		TOTAL LENGTH 15.0ft DIA. 2-inch SLOT SIZE 20-Slot

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
0	J-Plug	ASPHALT		0.0	Groundwater sample RX-2 collected for VOCs, SVOCs, and Metals
0	3 ft of 2" schedule 40 PVC riser	FILL (Dark grey fine to coarse SAND and GRAVEL, some Concrete, Asphalt, and Cobble; dry)			
0		FILL (CONCRETE and BRICK, some grey fine to coarse Sand; dry)			
0		FILL (Dark grey fine to coarse SAND, some Concrete and Brick, trace gravel; dry)			
5		Brown fine to coarse SAND, some Gravel, trace silt; wet		286.1	
5					Soil sample SB-16_8-10 collected for VOCs, SVOCs, and Metals
10	15 ft of 2" 0.20 slot screen	Dark grey fine to coarse SAND, some Gravel and Silt; wet		84.6	
10		Dark grey fine to coarse SAND, some Silt, trace clay; wet			
15		Dark grey fine to coarse SAND, some Silt and Gravel, trace clay; wet		22.1	
15					Soil sample SB-16_16-18 collected for VOCs, SVOCs, and Metals
20				32.3	
20					
25					Bottom of boring at 25 ft bls

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SOIL BORING LOG

WELL NO. SB-17	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 0924.0031Y002 / Echo Bay Redevelopment	LOCATION 224 East Main Street	
APPROVED BY R. Kovacs	LOGGED BY A Hoffmann	New Rochelle, NY
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Andrea Larkin	GEOGRAPHIC AREA City Yard	
DRILL BIT DIAMETER/TYPE 2 inches / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6620 DT / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/5/13-2/13/13
		BACKFILL

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT		0.0	Soil sample SB-17_0-2 collected for VOCs, SVOCs, Metals, Pesticides, and PCBs
		FILL (Brown fine to coarse SAND, some Gravel and Cobble; dry)			
		FILL (Brown fine to coarse SAND, some Gravel; dry)			
5		Brown fine to coarse SAND, some Gravel, trace silt; moist		0.7	
10		Brown to grey fine to coarse SAND, some Silt, trace gravel; wet		0.0	
15		Grey SILT, some fine to coarse Sand; wet		2.0	
20		Reddish brown fine to coarse SAND, some Silt; wet		0.0	
25					Bottom of boring at 25 ft bls

BORING/FEET 0924.0031Y002.GPJ ROUX.GDT 5/21/13

Phase II Environmental Site Assessment (Phase II ESA)
224 East Main Street, New Rochelle, New York

APPENDIX B

Laboratory Analytical Data
(Provided on CD in Bound Copy)



04/22/13

Technical Report for

Roux Associates

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Accutest Job Number: JB28150

Sampling Date: 02/05/13

Report to:

Roux Associates

rmaxwell@rouxinc.com

ATTN: Richard Maxwell

Total number of pages in report: **23**



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.

A handwritten signature in black ink that reads 'Nancy F. Cole'.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Roux Associates

Job No: JB28150

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JB28150-1	02/05/13	08:00 AH	02/06/13	SO	Soil	SB-17_0.2
JB28150-4	02/05/13	13:00 AH	02/06/13	AQ	Trip Blank Soil	TRIP BLANK

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

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Roux Associates**Job No** JB28150**Site:** Echo Bay Redevelopment - City Yard, 224 East Main Street, New R**Report Date** 3/4/2013 3:25:45 PM

On 02/06/2013, 1 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 2 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB28150 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:** V3D3566

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB28141-3MS, JB28141-3MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Chloromethane are outside control limits. High percent recoveries and no associated positive found in the QC batch.

Matrix: SO**Batch ID:** VY5642

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB28150-1MS, JB28150-1MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Bromomethane, Chloroethane are outside control limits. High percent recoveries and no associated positive found in the QC batch.
- RPD(s) for MSD for 1,4-Dioxane are outside control limits for sample JB28150-1MSD. Outside control limits due to matrix interference.

Extractables by GCMS By Method SW846 8270D

Matrix: SO**Batch ID:** OP63683

- All samples were extracted within the recommended method holding time.
- Sample(s) JB28605-14QMS, JB28605-14QMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MSD for 2,4-Dinitrophenol, 4,6-Dinitro-o-cresol, Hexachlorocyclopentadiene are outside control limits for sample OP63683-MSD. Outside of in house control limits.

Extractables by GC By Method SW846 8081B

Matrix: SO**Batch ID:** OP63713

- Sample(s) JB28710-7MS, JB28710-7MSD, OP63713-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JB28150-1: Sample extracted outside the holding time due to schedule error.

Extractables by GC By Method SW846 8082A

Matrix: SO

Batch ID: OP63712

- All method blanks for this batch meet method specific criteria.
- Sample(s) JB28862-51MS, JB28862-51MSD, OP63712-MSMSD were used as the QC samples indicated.
- JB28150-1: Sample extracted outside the holding time due to schedule error.

Metals By Method SW846 6010C

Matrix: SO

Batch ID: MP69993

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB28725-10MS, JB28725-10MSD, JB28725-10SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Potassium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Antimony, Manganese are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- RPD(s) for Serial Dilution for Arsenic, Selenium, Silver, Thallium are outside control limits for sample MP69993-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7471B

Matrix: SO

Batch ID: MP70015

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29197-9MS, JB29197-9MSD were used as the QC samples for metals.

Wet Chemistry By Method SM2540 G-97

Matrix: SO

Batch ID: GN80223

- The data for SM2540 G-97 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

Summary of Hits

Job Number: JB28150

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/05/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB28150-1	SB-17_0.2					
Tetrachloroethene		1.3 J	5.0	0.17	ug/kg	SW846 8260B
Toluene		1.8	1.0	0.11	ug/kg	SW846 8260B
m,p-Xylene		0.34 J	1.0	0.18	ug/kg	SW846 8260B
Xylene (total)		0.34 J	1.0	0.14	ug/kg	SW846 8260B
Acenaphthylene		14.6 J	35	11	ug/kg	SW846 8270D
Anthracene		27.5 J	35	12	ug/kg	SW846 8270D
Benzo(a)anthracene		129	35	11	ug/kg	SW846 8270D
Benzo(a)pyrene		124	35	11	ug/kg	SW846 8270D
Benzo(b)fluoranthene		124	35	12	ug/kg	SW846 8270D
Benzo(g,h,i)perylene		90.9	35	13	ug/kg	SW846 8270D
Benzo(k)fluoranthene		99.1	35	13	ug/kg	SW846 8270D
Chrysene		117	35	12	ug/kg	SW846 8270D
Dibenzo(a,h)anthracene		24.1 J	35	12	ug/kg	SW846 8270D
Fluoranthene		219	35	15	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		85.9	35	12	ug/kg	SW846 8270D
Phenanthrene		73.8	35	16	ug/kg	SW846 8270D
Pyrene		228	35	13	ug/kg	SW846 8270D
Total TIC, Semi-Volatile		1510 J			ug/kg	
alpha-Chlordane ^a		4.4	0.75	0.28	ug/kg	SW846 8081B
gamma-Chlordane ^b		2.2	0.75	0.52	ug/kg	SW846 8081B
4,4'-DDD ^a		7.2	0.75	0.41	ug/kg	SW846 8081B
4,4'-DDE ^a		8.5	0.75	0.30	ug/kg	SW846 8081B
4,4'-DDT ^a		41.0	0.75	0.37	ug/kg	SW846 8081B
Aluminum		19100	55		mg/kg	SW846 6010C
Arsenic		4.0	2.2		mg/kg	SW846 6010C
Barium		175	22		mg/kg	SW846 6010C
Beryllium		0.85	0.22		mg/kg	SW846 6010C
Calcium		1800	550		mg/kg	SW846 6010C
Chromium		38.0	1.1		mg/kg	SW846 6010C
Cobalt		12.9	5.5		mg/kg	SW846 6010C
Copper		42.1	2.7		mg/kg	SW846 6010C
Iron		28900	55		mg/kg	SW846 6010C
Lead		50.5	2.2		mg/kg	SW846 6010C
Magnesium		7330	550		mg/kg	SW846 6010C
Manganese		441	1.6		mg/kg	SW846 6010C
Mercury		0.053	0.034		mg/kg	SW846 7471B
Nickel		35.9	4.4		mg/kg	SW846 6010C
Potassium		9670	1100		mg/kg	SW846 6010C
Silver		0.57	0.55		mg/kg	SW846 6010C
Sodium		3150	1100		mg/kg	SW846 6010C
Vanadium		44.2	5.5		mg/kg	SW846 6010C
Zinc		89.2	2.2		mg/kg	SW846 6010C

Summary of Hits

Job Number: JB28150

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/05/13



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Analyte						

JB28150-4 TRIP BLANK

No hits reported in this sample.

- (a) Sample extracted outside the holding time due to schedule error.
- (b) Sample extracted outside the holding time due to schedule error. More than 40 % RPD for detected concentrations between the two GC columns.

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 2

Client Sample ID:	SB-17_0.2	Date Sampled:	02/05/13
Lab Sample ID:	JB28150-1	Date Received:	02/06/13
Matrix:	SO - Soil	Percent Solids:	91.7
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Y131064.D	1	02/16/13	RS	n/a	n/a	VY5642
Run #2							

	Initial Weight
Run #1	5.4 g
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	1.7	ug/kg	
71-43-2	Benzene	ND	1.0	0.12	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.27	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	0.11	ug/kg	
75-25-2	Bromoform	ND	5.0	0.15	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.28	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	5.0	0.12	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	0.13	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	0.11	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.23	ug/kg	
67-66-3	Chloroform	ND	5.0	0.083	ug/kg	
74-87-3	Chloromethane	ND	5.0	0.19	ug/kg	
110-82-7	Cyclohexane	ND	5.0	0.13	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.90	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	0.17	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.13	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.0	0.19	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.0	0.19	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.0	0.18	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.23	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	0.14	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.14	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.0	0.26	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.0	0.18	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	0.24	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	0.16	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	0.14	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	0.16	ug/kg	
123-91-1	1,4-Dioxane	ND	130	60	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.27	ug/kg	
76-13-1	Freon 113	ND	5.0	0.43	ug/kg	

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 2 of 2

Client Sample ID:	SB-17_0.2	Date Sampled:	02/05/13
Lab Sample ID:	JB28150-1	Date Received:	02/06/13
Matrix:	SO - Soil	Percent Solids:	91.7
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	0.63	ug/kg	
98-82-8	Isopropylbenzene	ND	5.0	0.075	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	2.6	ug/kg	
108-87-2	Methylcyclohexane	ND	5.0	0.17	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.24	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.76	ug/kg	
75-09-2	Methylene chloride	ND	5.0	1.3	ug/kg	
100-42-5	Styrene	ND	5.0	0.093	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	0.13	ug/kg	
127-18-4	Tetrachloroethene	1.3	5.0	0.17	ug/kg	J
108-88-3	Toluene	1.8	1.0	0.11	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.17	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.14	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	0.11	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.18	ug/kg	
79-01-6	Trichloroethene	ND	5.0	0.18	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.30	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	0.15	ug/kg	
	m,p-Xylene	0.34	1.0	0.18	ug/kg	J
95-47-6	o-Xylene	ND	1.0	0.14	ug/kg	
1330-20-7	Xylene (total)	0.34	1.0	0.14	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		70-130%
17060-07-0	1,2-Dichloroethane-D4	100%		70-122%
2037-26-5	Toluene-D8	108%		81-127%
460-00-4	4-Bromofluorobenzene	97%		66-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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Report of Analysis

Page 1 of 3

Client Sample ID:	SB-17_0.2	Date Sampled:	02/05/13
Lab Sample ID:	JB28150-1	Date Received:	02/06/13
Matrix:	SO - Soil	Percent Solids:	91.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M91830.D	1	02/27/13	OYA	02/19/13	OP63683	EM3721
Run #2							

Run #	Initial Weight	Final Volume
Run #1	31.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

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	40	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	59	ug/kg	
87-86-5	Pentachlorophenol	ND	350	59	ug/kg	
108-95-2	Phenol	ND	69	36	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	36	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	ND	35	10	ug/kg	
208-96-8	Acenaphthylene	14.6	35	11	ug/kg	J
98-86-2	Acetophenone	ND	170	6.1	ug/kg	
120-12-7	Anthracene	27.5	35	12	ug/kg	J
1912-24-9	Atrazine	ND	170	6.8	ug/kg	
56-55-3	Benzo(a)anthracene	129	35	11	ug/kg	
50-32-8	Benzo(a)pyrene	124	35	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	124	35	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	90.9	35	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	99.1	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	
92-52-4	1,1'-Biphenyl	ND	69	4.0	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.0	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	

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-17_0.2	Date Sampled:	02/05/13
Lab Sample ID:	JB28150-1	Date Received:	02/06/13
Matrix:	SO - Soil	Percent Solids:	91.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	69	11	ug/kg	
218-01-9	Chrysene	117	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	
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	24.1	35	12	ug/kg	J
132-64-9	Dibenzofuran	ND	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	ND	69	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	31	ug/kg	
206-44-0	Fluoranthene	219	35	15	ug/kg	
86-73-7	Fluorene	ND	35	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	69	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	35	9.7	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	350	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.7	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	85.9	35	12	ug/kg	
78-59-1	Isophorone	ND	69	9.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	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	14	ug/kg	
91-20-3	Naphthalene	ND	35	9.5	ug/kg	
98-95-3	Nitrobenzene	ND	69	10	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	69	8.5	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	21	ug/kg	
85-01-8	Phenanthrene	73.8	35	16	ug/kg	
129-00-0	Pyrene	228	35	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		21-116%
4165-62-2	Phenol-d5	45%		19-117%

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Report of Analysis

Page 3 of 3

Client Sample ID:	SB-17_0.2	Date Sampled:	02/05/13
Lab Sample ID:	JB28150-1	Date Received:	02/06/13
Matrix:	SO - Soil	Percent Solids:	91.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	66%		24-136%
4165-60-0	Nitrobenzene-d5	42%		21-122%
321-60-8	2-Fluorobiphenyl	57%		30-117%
1718-51-0	Terphenyl-d14	76%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.54	160	ug/kg	J
	system artifact/aldol-condensation	2.70	280	ug/kg	J
	unknown	3.86	590	ug/kg	J
	unknown	4.36	590	ug/kg	J
	unknown	5.12	140	ug/kg	J
	unknown acid	14.38	190	ug/kg	J
	Total TIC, Semi-Volatile		1510	ug/kg	J

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Report of Analysis

Page 1 of 1

Client Sample ID:	SB-17_0.2	Date Sampled:	02/05/13
Lab Sample ID:	JB28150-1	Date Received:	02/06/13
Matrix:	SO - Soil	Percent Solids:	91.7
Method:	SW846 8081B SW846 3546		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	5G10807.D	1	03/01/13	HQ	02/20/13	OP63713	G5G281
Run #2							

	Initial Weight	Final Volume
Run #1	14.5 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.75	0.35	ug/kg	
319-84-6	alpha-BHC	ND	0.75	0.22	ug/kg	
319-85-7	beta-BHC	ND	0.75	0.47	ug/kg	
319-86-8	delta-BHC	ND	0.75	0.37	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.75	0.37	ug/kg	
5103-71-9	alpha-Chlordane	4.4	0.75	0.28	ug/kg	
5103-74-2	gamma-Chlordane ^b	2.2	0.75	0.52	ug/kg	
60-57-1	Dieldrin	ND	0.75	0.29	ug/kg	
72-54-8	4,4' -DDD	7.2	0.75	0.41	ug/kg	
72-55-9	4,4' -DDE	8.5	0.75	0.30	ug/kg	
50-29-3	4,4' -DDT	41.0	0.75	0.37	ug/kg	
72-20-8	Endrin	ND	0.75	0.24	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.75	0.32	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.75	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.75	0.29	ug/kg	
33213-65-9	Endosulfan-II	ND	0.75	0.45	ug/kg	
76-44-8	Heptachlor	ND	0.75	0.37	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.75	0.28	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.74	ug/kg	
53494-70-5	Endrin ketone	ND	0.75	0.31	ug/kg	
8001-35-2	Toxaphene	ND	19	9.5	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		23-137%
877-09-8	Tetrachloro-m-xylene	86%		23-137%
2051-24-3	Decachlorobiphenyl	74%		22-160%
2051-24-3	Decachlorobiphenyl	151%		22-160%

(a) Sample extracted outside the holding time due to schedule error.

(b) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL - Method Detection Limit

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Report of Analysis

Page 1 of 1

Client Sample ID:	SB-17_0.2	Date Sampled:	02/05/13
Lab Sample ID:	JB28150-1	Date Received:	02/06/13
Matrix:	SO - Soil	Percent Solids:	91.7
Method:	SW846 8082A SW846 3546		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2G77782.D	1	02/21/13	JR	02/20/13	OP63712	G2G2594
Run #2							

	Initial Weight	Final Volume
Run #1	14.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	9.8	ug/kg	
11104-28-2	Aroclor 1221	ND	38	23	ug/kg	
11141-16-5	Aroclor 1232	ND	38	19	ug/kg	
53469-21-9	Aroclor 1242	ND	38	12	ug/kg	
12672-29-6	Aroclor 1248	ND	38	11	ug/kg	
11097-69-1	Aroclor 1254	ND	38	18	ug/kg	
11096-82-5	Aroclor 1260	ND	38	12	ug/kg	
11100-14-4	Aroclor 1268	ND	38	11	ug/kg	
37324-23-5	Aroclor 1262	ND	38	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		22-141%
877-09-8	Tetrachloro-m-xylene	86%		22-141%
2051-24-3	Decachlorobiphenyl	85%		18-163%
2051-24-3	Decachlorobiphenyl	66%		18-163%

(a) Sample extracted outside the holding time due to schedule error.

ND = Not detected MDL - Method Detection Limit
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 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: SB-17_0.2

Lab Sample ID: JB28150-1

Matrix: SO - Soil

Date Sampled: 02/05/13

Date Received: 02/06/13

Percent Solids: 91.7

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum	19100	55	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Antimony	< 2.2	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Arsenic	4.0	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Barium	175	22	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Beryllium	0.85	0.22	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Cadmium	< 0.55	0.55	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Calcium	1800	550	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Chromium	38.0	1.1	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Cobalt	12.9	5.5	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Copper	42.1	2.7	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Iron	28900	55	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Lead	50.5	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Magnesium	7330	550	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Manganese	441	1.6	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Mercury	0.053	0.034	mg/kg	1	02/26/13	02/26/13	CS	SW846 7471B ¹	SW846 7471B ⁴
Nickel	35.9	4.4	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Potassium	9670	1100	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Selenium	< 2.2	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Silver	0.57	0.55	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Sodium	3150	1100	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Thallium	< 1.1	1.1	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Vanadium	44.2	5.5	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Zinc	89.2	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³

(1) Instrument QC Batch: MA30565

(2) Instrument QC Batch: MA30572

(3) Prep QC Batch: MP69993

(4) Prep QC Batch: MP70015

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	TRIP BLANK	Date Sampled:	02/05/13
Lab Sample ID:	JB28150-4	Date Received:	02/06/13
Matrix:	AQ - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3D82885.D	1	02/08/13	NT	n/a	n/a	V3D3566
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	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:	02/05/13
Lab Sample ID:	JB28150-4	Date Received:	02/06/13
Matrix:	AQ - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	90%		81-121%
17060-07-0	1,2-Dichloroethane-D4	81%		74-127%
2037-26-5	Toluene-D8	94%		80-122%
460-00-4	4-Bromofluorobenzene	82%		78-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	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

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Client / Reporting Information		Project Information										Requested Analysis (see TEST CODE sheet)										Matrix Codes							
Company Name Boxx Associates		Project Name: Echo Bay Redevelopment - City Yard																				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 WVP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank							
Street Address 209 Shafter St Islandia NY		Street 224 E. Main St																											
City Tracy Bispham / Bob Kovacs		Billing Information (if different from Report to) Company Name New Rochelle NY																											
Project Contact 631 232 2600		Street Address																											
Phone #		Fax #		Client Purchase Order #		City		State		Zip																			
Sampler(s) Name(s) Althoffmann		Phone #		Project Manager		Attention:																							
Field ID / Point of Collection		MEOH/DI Val #		Collection		Sampled by		Matrix		# of bottles		Number of preserved bottles																	
				Date		Time						HCl		HNO3		H2SO4		HClO4		DI Water		MEOH		BICORE					
-1 SB-17-0-2				2/5/13		0800		AH		SO		3																	
-2 SB-16-0-2				2/5/13		0930		AH		SO		3																Ex 65	
-3 SB-5-1-3				2/5/13		1300		AH		SO		3																1944	
-4 Trip Blank				2/6/13		-		TB		2		X																9029	
																												791	

JB28150: Chain of Custody

Page 1 of 4

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB28150 Client: _____ Project: _____
 Date / Time Received: 2/6/2013 Delivery Method: _____ Airbill #'s: _____
 Cooler Temps (Initial/Adjusted): #1: (2/2); 0

Cooler Security

	<u>Y</u>	<u>or</u>	<u>N</u>		<u>Y</u>	<u>or</u>	<u>N</u>
1. Custody Seals Present:	☒		☐	3. COC Present:	☒		☐
2. Custody Seals Intact:	☒		☐	4. Smpl Dates/Time OK	☒		☐

Cooler Temperature

	<u>Y</u>	<u>or</u>	<u>N</u>
1. Temp criteria achieved:	☒		☐
2. Cooler temp verification:	Bar Therm _____		
3. Cooler media:	Ice (Bag) _____		
4. No. Coolers:	1 _____		

Quality Control Preservation

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	☒		☐	☐
2. Trip Blank listed on COC:	☒		☐	☐
3. Samples preserved properly:	☒		☐	
4. VOCs headspace free:	☒		☐	☐

Sample Integrity - Documentation

	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample labels present on bottles:	☒		☐
2. Container labeling complete:	☒		☐
3. Sample container label / COC agree:	☒		☐

Sample Integrity - Condition

	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample recvd within HT:	☒		☐
2. All containers accounted for:	☒		☐
3. Condition of sample:	Intact _____		

Sample Integrity - Instructions

	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
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

Job Change Order: JB28150_2_14_2013

Requested Date: 2/14/2013 Received Date: 2/6/2013
Account Name: Roux Associates Due Date: 2/20/2013
Project Echo Bay Redevelopment - City Yard, 224 East NYASPB
CSR: MartyV TAT (Days): 14

=====
Sample #: JB28150-1 Change: Sample off hold- Log for AB8270TCL11+, MTAL,
V8260TCL11+

Dept:

SB-17_0.2

=====
Sample #: JB28150-2, 3

Dept:

=====
Change: OK to release / cancel hold as nothing will be
needed on these two. OK to discard samples.
=====

JB28150: Chain of Custody
Page 3 of 4

Above Changes Per: Rob Kovacs Date: 2/14/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Job Change Order: JB28150_2_15_2013

Requested Date:	2/15/2013	Received Date:	2/6/2013
Account Name:	Roux Associates	Due Date:	2/28/2013
Project	Echo Bay Redevelopment - City Yard, 224 East	Deliverable:	NYASPB
CSR:	michello	TAT (Days):	14

=====

Sample #: JB28150-1 Change: Please run analysis for P8082PCB11 and P8081PESTTCL

Dept:

SB-17_0.2

=====

Above Changes Per: Robert Kovacs Date: 2/15/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1



04/22/13

Technical Report for

Roux Associates

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Accutest Job Number: JB28411

Sampling Date: 02/07/13

Report to:

Roux Associates

rmaxwell@rouxinc.com

ATTN: Richard Maxwell

Total number of pages in report: **30**



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.

A handwritten signature in black ink that reads 'Nancy F. Cole'.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Roux Associates

Job No: JB28411

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JB28411-4	02/07/13	09:30 AH	02/08/13	SO	Soil	SB-9_0-2
JB28411-5	02/07/13	11:00 AH	02/08/13	SO	Soil	SB-6_0-2

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

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Roux Associates

Job No JB28411

Site: Echo Bay Redevelopment - City Yard, 224 East Main Street, New R

Report Date 2/28/2013 2:40:55 PM

On 02/08/2013, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 1 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB28411 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: V3C4253

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB28411-4MS, JB28411-4MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GCMS By Method SW846 8270D

Matrix: SO

Batch ID: OP63684

- All samples were extracted within the recommended method holding time.
- Sample(s) JB28801-3MS, JB28801-3MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Extractables by GC By Method SW846 8081B

Matrix: SO

Batch ID: OP63661

- All samples were extracted within the recommended method holding time.
- Sample(s) JB28732-44MS, JB28732-44MSD, OP63661-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for beta-BHC, Endrin aldehyde, Methoxychlor are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 4,4'-DDT, beta-BHC, gamma-BHC (Lindane) are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike and Matrix Spike Duplicate Recovery(s) for 4,4'-DDT are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- RPD(s) for MSD for gamma-BHC (Lindane) are outside control limits for sample OP63661-MSD. Probable cause due to matrix interference.
- JB28411-5 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- OP63661-MS for Decachlorobiphenyl: Outside control limits due to matrix interference.
- OP63661-MSD for Decachlorobiphenyl: Outside control limits due to matrix interference.
- OP63661-MSD for Tetrachloro-m-xylene: Outside control limits due to matrix interference.

Extractables by GC By Method SW846 8082A

Matrix: SO

Batch ID: OP63659

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB28825-1MS, JB28825-1MSD, OP63659-MSMSD were used as the QC samples indicated.
- RPD(s) for MSD for Aroclor 1248 are outside control limits for sample OP63659-MSD. Probable cause due to matrix interference.
- JB28411-5 for Decachlorobiphenyl: Outside control limits due to matrix interference.

Metals By Method SW846 6010C

Matrix: SO

Batch ID: MP69902

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB26957-39VMS, JB26957-39VMSD, JB26957-39VSDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Aluminum, Antimony, Iron, Manganese, Potassium, Vanadium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony, Iron, Manganese, Potassium, Vanadium are outside control limits. Probable cause due to matrix interference.
- RPD(s) for Serial Dilution for Arsenic, Cadmium, Lead, Selenium, Silver, Thallium are outside control limits for sample MP69902-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP69902-SD1 for Zinc: Serial dilution indicates possible matrix interference.
- MP69902-SD1 for Chromium: Serial dilution indicates possible matrix interference.
- MP69902-SD1 for Iron: Serial dilution indicates possible matrix interference.
- MP69902-SD1 for Manganese: Serial dilution indicates possible matrix interference.
- MP69902-SD1 for Vanadium: Serial dilution indicates possible matrix interference.

Metals By Method SW846 7471B

Matrix: SO

Batch ID: MP69824

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB28724-61MS, JB28724-61MSD were used as the QC samples for metals.

Wet Chemistry By Method SM2540 G-97

Matrix: SO

Batch ID: GN80106

- The data for SM2540 G-97 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

Summary of Hits

Job Number: JB28411

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/07/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB28411-4	SB-9_0-2					
Tetrachloroethene		2.8 J	6.1	0.21	ug/kg	SW846 8260B
Acenaphthene		3070	34	10	ug/kg	SW846 8270D
Acenaphthylene		120	34	11	ug/kg	SW846 8270D
Anthracene		11300	690	240	ug/kg	SW846 8270D
Benzo(a)anthracene		20100	690	220	ug/kg	SW846 8270D
Benzo(a)pyrene		15800	690	210	ug/kg	SW846 8270D
Benzo(b)fluoranthene		21300	690	230	ug/kg	SW846 8270D
Benzo(g,h,i)perylene		8760	690	260	ug/kg	SW846 8270D
Benzo(k)fluoranthene		15700	690	260	ug/kg	SW846 8270D
1,1'-Biphenyl		190	69	4.0	ug/kg	SW846 8270D
Carbazole		1060	69	16	ug/kg	SW846 8270D
Chrysene		17900	690	230	ug/kg	SW846 8270D
Dibenzo(a,h)anthracene		4670	690	230	ug/kg	SW846 8270D
Dibenzofuran		2030	69	10	ug/kg	SW846 8270D
Dimethyl phthalate		54.4 J	69	12	ug/kg	SW846 8270D
Fluoranthene		55900	690	300	ug/kg	SW846 8270D
Fluorene		5440	690	230	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		8970	690	240	ug/kg	SW846 8270D
2-Methylnaphthalene		312	69	19	ug/kg	SW846 8270D
Naphthalene		105	34	9.4	ug/kg	SW846 8270D
Phenanthrene		37300	690	310	ug/kg	SW846 8270D
Pyrene		37000	690	260	ug/kg	SW846 8270D
Total TIC, Semi-Volatile		9970 J			ug/kg	
Aluminum		16900	55		mg/kg	SW846 6010C
Arsenic		4.8	2.2		mg/kg	SW846 6010C
Barium		105	22		mg/kg	SW846 6010C
Beryllium		0.59	0.22		mg/kg	SW846 6010C
Calcium		6110	550		mg/kg	SW846 6010C
Chromium		28.6	1.1		mg/kg	SW846 6010C
Cobalt		8.3	5.5		mg/kg	SW846 6010C
Copper		32.8	2.7		mg/kg	SW846 6010C
Iron		22400	55		mg/kg	SW846 6010C
Lead		51.8	2.2		mg/kg	SW846 6010C
Magnesium		4800	550		mg/kg	SW846 6010C
Manganese		367	1.6		mg/kg	SW846 6010C
Mercury		0.13	0.034		mg/kg	SW846 7471B
Nickel		21.9	4.4		mg/kg	SW846 6010C
Potassium		3540	1100		mg/kg	SW846 6010C
Sodium		1130	1100		mg/kg	SW846 6010C
Vanadium		37.1	5.5		mg/kg	SW846 6010C
Zinc		99.6	2.2		mg/kg	SW846 6010C

Summary of Hits

Job Number: JB28411

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/07/13

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB28411-5	SB-6_0-2					
Carbon disulfide		0.49 J	6.1	0.14	ug/kg	SW846 8260B
Tetrachloroethene		3.4 J	6.1	0.21	ug/kg	SW846 8260B
Toluene		1.5	1.2	0.13	ug/kg	SW846 8260B
m,p-Xylene		0.40 J	1.2	0.21	ug/kg	SW846 8260B
Xylene (total)		0.40 J	1.2	0.17	ug/kg	SW846 8260B
Total TIC, Volatile		553 J			ug/kg	
Acenaphthene		205	34	9.9	ug/kg	SW846 8270D
Acenaphthylene		2320	34	11	ug/kg	SW846 8270D
Anthracene		2960	34	12	ug/kg	SW846 8270D
Benzo(a)anthracene		9440	340	110	ug/kg	SW846 8270D
Benzo(a)pyrene		11500	340	100	ug/kg	SW846 8270D
Benzo(b)fluoranthene		12300	340	110	ug/kg	SW846 8270D
Benzo(g,h,i)perylene		12300	340	130	ug/kg	SW846 8270D
Benzo(k)fluoranthene		6180	340	130	ug/kg	SW846 8270D
Carbazole		275	68	16	ug/kg	SW846 8270D
Chrysene		9850	340	120	ug/kg	SW846 8270D
Dibenzo(a,h)anthracene		5010	340	120	ug/kg	SW846 8270D
Dibenzofuran		158	68	10	ug/kg	SW846 8270D
Fluoranthene		12400	340	150	ug/kg	SW846 8270D
Fluorene		444	34	11	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		10200	340	120	ug/kg	SW846 8270D
2-Methylnaphthalene		93.6	68	19	ug/kg	SW846 8270D
Naphthalene		66.3	34	9.3	ug/kg	SW846 8270D
Phenanthrene		6350	340	160	ug/kg	SW846 8270D
Pyrene		15200	340	130	ug/kg	SW846 8270D
Total TIC, Semi-Volatile		44140 J			ug/kg	
Aluminum		10600	55		mg/kg	SW846 6010C
Arsenic		3.7	2.2		mg/kg	SW846 6010C
Barium		59.6	22		mg/kg	SW846 6010C
Beryllium		0.31	0.22		mg/kg	SW846 6010C
Calcium		9480	550		mg/kg	SW846 6010C
Chromium		19.2	1.1		mg/kg	SW846 6010C
Cobalt		9.9	5.5		mg/kg	SW846 6010C
Copper		42.3	2.8		mg/kg	SW846 6010C
Iron		19400	55		mg/kg	SW846 6010C
Lead		50.2	2.2		mg/kg	SW846 6010C
Magnesium		5640	550		mg/kg	SW846 6010C
Manganese		189	1.7		mg/kg	SW846 6010C
Mercury		0.069	0.035		mg/kg	SW846 7471B
Nickel		24.1	4.4		mg/kg	SW846 6010C
Potassium		2300	1100		mg/kg	SW846 6010C
Sodium		2520	1100		mg/kg	SW846 6010C
Vanadium		36.2	5.5		mg/kg	SW846 6010C

Summary of Hits

Job Number: JB28411
Account: Roux Associates
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY
Collected: 02/07/13



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Zinc		71.7	2.2		mg/kg	SW846 6010C

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 2

Client Sample ID:	SB-9_0-2	Date Sampled:	02/07/13
Lab Sample ID:	JB28411-4	Date Received:	02/08/13
Matrix:	SO - Soil	Percent Solids:	90.4
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C95890.D	1	02/18/13	JTP	n/a	n/a	V3C4253
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.1	ug/kg	
71-43-2	Benzene	ND	1.2	0.15	ug/kg	
74-97-5	Bromochloromethane	ND	6.1	0.33	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	0.13	ug/kg	
75-25-2	Bromoform	ND	6.1	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.1	0.34	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.9	ug/kg	
75-15-0	Carbon disulfide	ND	6.1	0.14	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.1	0.16	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	0.13	ug/kg	
75-00-3	Chloroethane	ND	6.1	0.28	ug/kg	
67-66-3	Chloroform	ND	6.1	0.10	ug/kg	
74-87-3	Chloromethane	ND	6.1	0.23	ug/kg	
110-82-7	Cyclohexane	ND	6.1	0.15	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	1.1	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	0.20	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.1	0.23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.1	0.23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.1	0.22	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.1	0.28	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.17	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.1	0.32	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.1	0.22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.1	0.29	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	0.19	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	0.19	ug/kg	
123-91-1	1,4-Dioxane	ND	150	73	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.32	ug/kg	
76-13-1	Freon 113	ND	6.1	0.53	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:	SB-9_0-2	Date Sampled:	02/07/13
Lab Sample ID:	JB28411-4	Date Received:	02/08/13
Matrix:	SO - Soil	Percent Solids:	90.4
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	6.1	0.76	ug/kg	
98-82-8	Isopropylbenzene	ND	6.1	0.091	ug/kg	
79-20-9	Methyl Acetate	ND	6.1	3.2	ug/kg	
108-87-2	Methylcyclohexane	ND	6.1	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.29	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.1	0.92	ug/kg	
75-09-2	Methylene chloride	ND	6.1	1.6	ug/kg	
100-42-5	Styrene	ND	6.1	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	0.16	ug/kg	
127-18-4	Tetrachloroethene	2.8	6.1	0.21	ug/kg	J
108-88-3	Toluene	ND	1.2	0.13	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	0.20	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	0.17	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	0.21	ug/kg	
79-01-6	Trichloroethene	ND	6.1	0.21	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	0.37	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	0.18	ug/kg	
	m,p-Xylene	ND	1.2	0.21	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.17	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
17060-07-0	1,2-Dichloroethane-D4	89%		70-122%
2037-26-5	Toluene-D8	97%		81-127%
460-00-4	4-Bromofluorobenzene	97%		66-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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Report of Analysis

Page 1 of 3

Client Sample ID:	SB-9_0-2	Date Sampled:	02/07/13
Lab Sample ID:	JB28411-4	Date Received:	02/08/13
Matrix:	SO - Soil	Percent Solids:	90.4
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E47999.D	1	02/22/13	OYA	02/19/13	OP63684	E3E2080
Run #2	3E48030.D	20	02/22/13	OYA	02/19/13	OP63684	E3E2082

	Initial Weight	Final Volume
Run #1	32.2 g	1.0 ml
Run #2	32.2 g	1.0 ml

ABN TCL List (SOM0 1.1)

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	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	35	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	3070	34	10	ug/kg	
208-96-8	Acenaphthylene	120	34	11	ug/kg	
98-86-2	Acetophenone	ND	170	6.0	ug/kg	
120-12-7	Anthracene	11300 ^a	690	240	ug/kg	
1912-24-9	Atrazine	ND	170	6.8	ug/kg	
56-55-3	Benzo(a)anthracene	20100 ^a	690	220	ug/kg	
50-32-8	Benzo(a)pyrene	15800 ^a	690	210	ug/kg	
205-99-2	Benzo(b)fluoranthene	21300 ^a	690	230	ug/kg	
191-24-2	Benzo(g,h,i)perylene	8760 ^a	690	260	ug/kg	
207-08-9	Benzo(k)fluoranthene	15700 ^a	690	260	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	
92-52-4	1,1'-Biphenyl	190	69	4.0	ug/kg	
100-52-7	Benzaldehyde	ND	170	7.9	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	1060	69	16	ug/kg	

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-9_0-2	Date Sampled:	02/07/13
Lab Sample ID:	JB28411-4	Date Received:	02/08/13
Matrix:	SO - Soil	Percent Solids:	90.4
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	69	11	ug/kg	
218-01-9	Chrysene	17900 ^a	690	230	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	
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	4670 ^a	690	230	ug/kg	
132-64-9	Dibenzofuran	2030	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	54.4	69	12	ug/kg	J
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	30	ug/kg	
206-44-0	Fluoranthene	55900 ^a	690	300	ug/kg	
86-73-7	Fluorene	5440 ^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	340	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.6	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	8970 ^a	690	240	ug/kg	
78-59-1	Isophorone	ND	69	9.2	ug/kg	
91-57-6	2-Methylnaphthalene	312	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	105	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	37300 ^a	690	310	ug/kg	
129-00-0	Pyrene	37000 ^a	690	260	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%	49%	21-116%
4165-62-2	Phenol-d5	52%	52%	19-117%

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Report of Analysis

Client Sample ID:	SB-9_0-2	Date Sampled:	02/07/13
Lab Sample ID:	JB28411-4	Date Received:	02/08/13
Matrix:	SO - Soil	Percent Solids:	90.4
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	45%	41%	24-136%
4165-60-0	Nitrobenzene-d5	50%	36%	21-122%
321-60-8	2-Fluorobiphenyl	52%	52%	30-117%
1718-51-0	Terphenyl-d14	46%	58%	31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Naphthalene dimethyl	6.44	660	ug/kg	J
	Naphthalene dimethyl	6.57	900	ug/kg	J
	Naphthalene trimethyl	8.03	990	ug/kg	J
	unknown	8.18	1200	ug/kg	J
	unknown	10.29	270	ug/kg	J
	unknown PAH substance	11.72	210	ug/kg	J
	11H-Benzo-fluorene	12.02	480	ug/kg	J
	Pyrene, -methyl-	12.10	350	ug/kg	J
	unknown	12.63	200	ug/kg	J
	unknown PAH substance	12.78	290	ug/kg	J
	unknown	12.90	180	ug/kg	J
	unknown	13.16	290	ug/kg	J
	unknown	13.26	210	ug/kg	J
	unknown	13.47	210	ug/kg	J
	unknown	13.55	180	ug/kg	J
	unknown	13.60	260	ug/kg	J
	alkane	13.94	360	ug/kg	J
	unknown PAH substance	14.20	320	ug/kg	J
	unknown	14.28	190	ug/kg	J
	unknown PAH substance	14.35	760	ug/kg	J
	unknown	14.57	210	ug/kg	J
	unknown PAH substance	15.18	240	ug/kg	J
	unknown PAH substance	15.36	260	ug/kg	J
	unknown PAH substance	15.54	470	ug/kg	J
	-Dibenzopyrene	16.30	280	ug/kg	J
	Total TIC, Semi-Volatile		9970	ug/kg	J

(a) Result is from Run# 2

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Report of Analysis

Page 1 of 1

Client Sample ID:	SB-9_0-2	Date Sampled:	02/07/13
Lab Sample ID:	JB28411-4	Date Received:	02/08/13
Matrix:	SO - Soil	Percent Solids:	90.4
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	16900	55	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Antimony	< 2.2	2.2	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Arsenic	4.8	2.2	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Barium	105	22	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	0.59	0.22	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	< 0.55	0.55	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Calcium	6110	550	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	28.6	1.1	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Cobalt	8.3	5.5	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Copper	32.8	2.7	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Iron	22400	55	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Lead	51.8	2.2	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Magnesium	4800	550	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	367	1.6	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	0.13	0.034	mg/kg	1	02/15/13	02/15/13	CS	SW846 7471B ¹ SW846 7471B ³
Nickel	21.9	4.4	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Potassium	3540	1100	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.2	2.2	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Silver	< 0.55	0.55	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Sodium	1130	1100	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Thallium	< 1.1	1.1	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Vanadium	37.1	5.5	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	99.6	2.2	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA30495

(2) Instrument QC Batch: MA30528

(3) Prep QC Batch: MP69824

(4) Prep QC Batch: MP69902

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	SB-6_0-2	Date Sampled:	02/07/13
Lab Sample ID:	JB28411-5	Date Received:	02/08/13
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C95891.D	1	02/18/13	JTP	n/a	n/a	V3C4253
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.1	ug/kg	
71-43-2	Benzene	ND	1.2	0.15	ug/kg	
74-97-5	Bromochloromethane	ND	6.1	0.32	ug/kg	
75-27-4	Bromodichloromethane	ND	6.1	0.13	ug/kg	
75-25-2	Bromoform	ND	6.1	0.18	ug/kg	
74-83-9	Bromomethane	ND	6.1	0.33	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.9	ug/kg	
75-15-0	Carbon disulfide	0.49	6.1	0.14	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.1	0.16	ug/kg	
108-90-7	Chlorobenzene	ND	6.1	0.13	ug/kg	
75-00-3	Chloroethane	ND	6.1	0.28	ug/kg	
67-66-3	Chloroform	ND	6.1	0.10	ug/kg	
74-87-3	Chloromethane	ND	6.1	0.23	ug/kg	
110-82-7	Cyclohexane	ND	6.1	0.15	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	1.1	ug/kg	
124-48-1	Dibromochloromethane	ND	6.1	0.20	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.1	0.23	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.1	0.23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.1	0.22	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.1	0.28	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.1	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.17	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.1	0.31	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.1	0.22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.1	0.29	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.1	0.19	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.1	0.17	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.1	0.19	ug/kg	
123-91-1	1,4-Dioxane	ND	150	73	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.32	ug/kg	
76-13-1	Freon 113	ND	6.1	0.53	ug/kg	

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-6_0-2	Date Sampled:	02/07/13
Lab Sample ID:	JB28411-5	Date Received:	02/08/13
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	6.1	0.76	ug/kg	
98-82-8	Isopropylbenzene	ND	6.1	0.091	ug/kg	
79-20-9	Methyl Acetate	ND	6.1	3.2	ug/kg	
108-87-2	Methylcyclohexane	ND	6.1	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.29	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.1	0.92	ug/kg	
75-09-2	Methylene chloride	ND	6.1	1.6	ug/kg	
100-42-5	Styrene	ND	6.1	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.1	0.16	ug/kg	
127-18-4	Tetrachloroethene	3.4	6.1	0.21	ug/kg	J
108-88-3	Toluene	1.5	1.2	0.13	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	0.20	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	0.17	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.1	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.1	0.21	ug/kg	
79-01-6	Trichloroethene	ND	6.1	0.21	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	0.37	ug/kg	
75-01-4	Vinyl chloride	ND	6.1	0.18	ug/kg	
	m,p-Xylene	0.40	1.2	0.21	ug/kg	J
95-47-6	o-Xylene	ND	1.2	0.17	ug/kg	
1330-20-7	Xylene (total)	0.40	1.2	0.17	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
17060-07-0	1,2-Dichloroethane-D4	88%		70-122%
2037-26-5	Toluene-D8	97%		81-127%
460-00-4	4-Bromofluorobenzene	93%		66-132%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	unknown	16.92	49	ug/kg	J
	unknown	16.98	37	ug/kg	J
	Naphthalene decahydro-methyl	17.14	71	ug/kg	J
	Naphthalene dehydro-dimethyl	17.66	32	ug/kg	J
	unknown	17.81	32	ug/kg	J
	unknown	17.88	42	ug/kg	J
	alkene	17.98	110	ug/kg	J
	unknown	18.22	89	ug/kg	J
	unknown	18.30	32	ug/kg	J

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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:	SB-6_0-2	Date Sampled:	02/07/13
Lab Sample ID:	JB28411-5	Date Received:	02/08/13
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	19.56	59	ug/kg	J
	Total TIC, Volatile		553	ug/kg	J

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Report of Analysis

Page 1 of 3

Client Sample ID:	SB-6_0-2	Date Sampled:	02/07/13
Lab Sample ID:	JB28411-5	Date Received:	02/08/13
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E48000.D	1	02/22/13	OYA	02/19/13	OP63684	E3E2080
Run #2	3E48031.D	10	02/22/13	OYA	02/19/13	OP63684	E3E2082

	Initial Weight	Final Volume
Run #1	32.2 g	1.0 ml
Run #2	32.2 g	1.0 ml

ABN TCL List (SOM0 1.1)

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	680	42	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	680	42	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	58	ug/kg	
87-86-5	Pentachlorophenol	ND	340	59	ug/kg	
108-95-2	Phenol	ND	68	36	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	35	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	205	34	9.9	ug/kg	
208-96-8	Acenaphthylene	2320	34	11	ug/kg	
98-86-2	Acetophenone	ND	170	6.0	ug/kg	
120-12-7	Anthracene	2960	34	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.7	ug/kg	
56-55-3	Benzo(a)anthracene	9440 ^a	340	110	ug/kg	
50-32-8	Benzo(a)pyrene	11500 ^a	340	100	ug/kg	
205-99-2	Benzo(b)fluoranthene	12300 ^a	340	110	ug/kg	
191-24-2	Benzo(g,h,i)perylene	12300 ^a	340	130	ug/kg	
207-08-9	Benzo(k)fluoranthene	6180 ^a	340	130	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	
92-52-4	1,1'-Biphenyl	ND	68	4.0	ug/kg	
100-52-7	Benzaldehyde	ND	170	7.9	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	275	68	16	ug/kg	

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-6_0-2	Date Sampled:	02/07/13
Lab Sample ID:	JB28411-5	Date Received:	02/08/13
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	68	11	ug/kg	
218-01-9	Chrysene	9850 ^a	340	120	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	
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	5010 ^a	340	120	ug/kg	
132-64-9	Dibenzofuran	158	68	10	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	12400 ^a	340	150	ug/kg	
86-73-7	Fluorene	444	34	11	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	340	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.5	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	10200 ^a	340	120	ug/kg	
78-59-1	Isophorone	ND	68	9.2	ug/kg	
91-57-6	2-Methylnaphthalene	93.6	68	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	66.3	34	9.3	ug/kg	
98-95-3	Nitrobenzene	ND	68	9.9	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	68	8.4	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	20	ug/kg	
85-01-8	Phenanthrene	6350 ^a	340	160	ug/kg	
129-00-0	Pyrene	15200 ^a	340	130	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%	49%	21-116%
4165-62-2	Phenol-d5	53%	56%	19-117%

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Report of Analysis

Page 3 of 3

Client Sample ID: SB-6_0-2	Date Sampled: 02/07/13
Lab Sample ID: JB28411-5	Date Received: 02/08/13
Matrix: SO - Soil	Percent Solids: 90.7
Method: SW846 8270D SW846 3550C	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	64%	45%	24-136%
4165-60-0	Nitrobenzene-d5	60%	90%	21-122%
321-60-8	2-Fluorobiphenyl	68%	71%	30-117%
1718-51-0	Terphenyl-d14	57%	70%	31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.31	2500	ug/kg	J
	Naphthalene decahydro-methyl	3.92	850	ug/kg	J
	unknown	4.82	1200	ug/kg	J
	unknown	5.06	980	ug/kg	J
	unknown	5.16	1200	ug/kg	J
	alkene	5.33	1400	ug/kg	J
	unknown	5.63	1000	ug/kg	J
	unknown	5.68	1100	ug/kg	J
	unknown	5.88	1200	ug/kg	J
	unknown	6.02	3700	ug/kg	J
	unknown	6.20	2500	ug/kg	J
	unknown	6.28	1000	ug/kg	J
	unknown	6.47	890	ug/kg	J
	unknown	6.62	6300	ug/kg	J
	alkane	6.92	6500	ug/kg	J
	unknown	7.00	1100	ug/kg	J
	unknown	7.21	2800	ug/kg	J
	unknown	7.28	890	ug/kg	J
	unknown	7.59	1600	ug/kg	J
	unknown	7.65	1200	ug/kg	J
	unknown	7.69	1400	ug/kg	J
	unknown PAH substance	14.20	900	ug/kg	J
	unknown PAH substance	14.35	1600	ug/kg	J
	unknown PAH substance	15.38	830	ug/kg	J
	unknown PAH substance	15.55	1000	ug/kg	J
	-Dibenzopyrene	16.33	1000	ug/kg	J
	Total TIC, Semi-Volatile		44140	ug/kg	J

(a) Result is from Run# 2

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Report of Analysis

Page 1 of 1

Client Sample ID:	SB-6_0-2	Date Sampled:	02/07/13
Lab Sample ID:	JB28411-5	Date Received:	02/08/13
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	SW846 8081B SW846 3546		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G10520.D	1	02/23/13	KLS	02/18/13	OP63661	G5G276
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.70	0.32	ug/kg	
319-84-6	alpha-BHC	ND	0.70	0.21	ug/kg	
319-85-7	beta-BHC	ND	0.70	0.43	ug/kg	
319-86-8	delta-BHC	ND	0.70	0.34	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.70	0.34	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.70	0.26	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.70	0.48	ug/kg	
60-57-1	Dieldrin	ND	0.70	0.27	ug/kg	
72-54-8	4,4' -DDD	ND	0.70	0.38	ug/kg	
72-55-9	4,4' -DDE	ND	0.70	0.28	ug/kg	
50-29-3	4,4' -DDT	ND	0.70	0.34	ug/kg	
72-20-8	Endrin	ND	0.70	0.23	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.70	0.30	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.70	0.36	ug/kg	
959-98-8	Endosulfan-I	ND	0.70	0.26	ug/kg	
33213-65-9	Endosulfan-II	ND	0.70	0.42	ug/kg	
76-44-8	Heptachlor	ND	0.70	0.34	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.70	0.26	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.68	ug/kg	
53494-70-5	Endrin ketone	ND	0.70	0.28	ug/kg	
8001-35-2	Toxaphene	ND	17	8.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%		23-137%
877-09-8	Tetrachloro-m-xylene	83%		23-137%
2051-24-3	Decachlorobiphenyl	135%		22-160%
2051-24-3	Decachlorobiphenyl	1429% ^a		22-160%

(a) Outside control limits due to matrix interference.

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Report of Analysis

Page 1 of 1

Client Sample ID:	SB-6_0-2	Date Sampled:	02/07/13
Lab Sample ID:	JB28411-5	Date Received:	02/08/13
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	SW846 8082A SW846 3546		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX130334.D	1	02/21/13	JR	02/18/13	OP63659	GXX4598
Run #2							

	Initial Weight	Final Volume
Run #1	15.8 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	9.1	ug/kg	
11104-28-2	Aroclor 1221	ND	35	21	ug/kg	
11141-16-5	Aroclor 1232	ND	35	18	ug/kg	
53469-21-9	Aroclor 1242	ND	35	11	ug/kg	
12672-29-6	Aroclor 1248	ND	35	11	ug/kg	
11097-69-1	Aroclor 1254	ND	35	16	ug/kg	
11096-82-5	Aroclor 1260	ND	35	11	ug/kg	
11100-14-4	Aroclor 1268	ND	35	10	ug/kg	
37324-23-5	Aroclor 1262	ND	35	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		22-141%
877-09-8	Tetrachloro-m-xylene	68%		22-141%
2051-24-3	Decachlorobiphenyl	106%		18-163%
2051-24-3	Decachlorobiphenyl	1122% ^a		18-163%

(a) Outside control limits due to matrix interference.

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Report of Analysis

Page 1 of 1

Client Sample ID:	SB-6_0-2	Date Sampled:	02/07/13
Lab Sample ID:	JB28411-5	Date Received:	02/08/13
Matrix:	SO - Soil	Percent Solids:	90.7
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	10600	55	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Antimony	< 2.2	2.2	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Arsenic	3.7	2.2	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Barium	59.6	22	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	0.31	0.22	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	< 0.55	0.55	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Calcium	9480	550	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	19.2	1.1	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Cobalt	9.9	5.5	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Copper	42.3	2.8	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Iron	19400	55	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Lead	50.2	2.2	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Magnesium	5640	550	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	189	1.7	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	0.069	0.035	mg/kg	1	02/15/13	02/15/13	CS	SW846 7471B ¹ SW846 7471B ³
Nickel	24.1	4.4	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Potassium	2300	1100	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.2	2.2	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Silver	< 0.55	0.55	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Sodium	2520	1100	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Thallium	< 1.1	1.1	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Vanadium	36.2	5.5	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	71.7	2.2	mg/kg	1	02/19/13	02/21/13	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA30495

(2) Instrument QC Batch: MA30528

(3) Prep QC Batch: MP69824

(4) Prep QC Batch: MP69902

RL = Reporting Limit

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

2235 Route 130, Dayton, NJ 08816
TEL: 732-329-0100 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job #
MV-113012093-17 JB 28411	
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 OL - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WIP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank	
LAB USE ONLY	

Client / Reporting Information		Project Information	
Company Name: Bovis Associates Street Address: 209 Shafter St Islandia NY City: Islandia State: NY Zip: 11749 Project Contact: Rob Kovacs Phone #: 631 232 2600 Email: AKA@accutest.com		Project Name: Echo Bay Redevelopment - City Yard Street: 224 Main St City: New Rochelle State: NY Billing Information (if different from Report to): Company Name: _____ Street Address: _____ City: _____ State: _____ Zip: _____ Client Purchase Order #: _____ Project Manager: _____ Attention: _____	
Acute Sample #		Collection	
Field ID / Point of Collection		MECH/DI Val # Date Time Sampled by Matrix # of bottles HCl NaOH H2SO4 HNO3 NONE DI Water MECH ENCORE	
-1 SB-11-1-3 -2 SB-12-3-5 -3 SB-13-3-5 -4 SB-9-0-2 -5 SB-6-0-2 -6 SB-7-0-2 -7 Trip Blank		2/6/13 1000 AH SO 3 2/6/13 1100 AH SO 3 2/7/13 0800 AH SO 3 2/7/13 0930 AH SO 3 2/7/13 1100 AH SO 3 2/7/13 1330 AH SO 3 2/8/13 - - TB 2 X	
Turnaround Time (Business days)		Data Deliverable Information	
☒ Std. 10 Business Days ☐ 3 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY ☐ other _____ Emergency & Rush TIA 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		Please hold all samples until further notice TB-f/1-2 2/4/13 @ 0600 hrs 2/8/13	
Relinquished by: Chris Law		Relinquished by: Chris Law	
Date Time: 2/8/13 11:45		Date Time: 2/8/13 1503	
Relinquished by Sampler: 3		Relinquished by: 4	
Date Time: _____		Date Time: _____	
Relinquished by: 5		Relinquished by: 4	
Date Time: _____		Date Time: _____	
Custody Seal #		☐ Intact ☐ Not Intact	
Preserved where applicable		Cooler Temp. 1.0°C	

JB28411: Chain of Custody

Page 1 of 5

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB28411 Client: _____ Project: _____
 Date / Time Received: 2/8/2013 Delivery Method: _____ Airbill #'s: _____
 Cooler Temps (Initial/Adjusted): #1: (1/1); 0

Cooler Security

<table border="0"> <tr> <th style="text-align: left;">Y or N</th> <th style="text-align: left;">Y or N</th> </tr> <tr> <td>1. Custody Seals Present: ☒ ☐</td> <td>3. COC Present: ☒ ☐</td> </tr> <tr> <td>2. Custody Seals Intact: ☒ ☐</td> <td>4. Smpl Dates/Time OK: ☒ ☐</td> </tr> </table>	Y or N	Y or N	1. Custody Seals Present: ☒ ☐	3. COC Present: ☒ ☐	2. Custody Seals Intact: ☒ ☐	4. Smpl Dates/Time OK: ☒ ☐	
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: <u>Bar Therm</u>
3. Cooler media: <u>Ice (Bag)</u>
4. No. Coolers: <u>1</u>

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: <u>Intact</u>

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

Job Change Order: JB28411_2_14_2013

Requested Date: 2/14/2013 Received Date: 2/8/2013
Account Name: Roux Associates Due Date: 2/22/2013
Project: Echo Bay Redevelopment - City Yard, 224 East Deliverable: NYASPB
CSR: MartyV TAT (Days): 14

Sample #: JB28411-4, 5 Change: Off hold- Log for AB8270TCL11+, V8260TCL11+,
MTAL

Dept:

Sample #: JB28411-1, 2, 3, 6 Change: Samples can be released from Hold and discarded.
No analyses will be needed on these samples.

Dept:

Above Changes Per: Rob Kovacs Date: 2/14/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Job Change Order: JB28411_2_15_2013

Requested Date: 2/15/2013 Received Date: 2/8/2013
Account Name: Roux Associates Due Date: 2/22/2013
Project: Echo Bay Redevelopment - City Yard, 224 East Deliverable: NYASPB
CSR: michello TAT (Days): 14

Sample #: JB28411-5 Change: Please run analysis for P8082PCB11 and P8081PESTTCL

Dept:

SB-6_0-2

JB28411: Chain of Custody
Page 4 of 5

Above Changes Per: Robert Kovacs Date: 2/15/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Job Change Order: JB28411_3_20_2013

Requested Date:	3/20/2013	Received Date:	2/8/2013
Account Name:	Roux Associates	Due Date:	2/22/2013
Project	Echo Bay Redevelopment - City Yard, 224 East	Deliverable:	NYASPB
CSR:	MartyV	TAT (Days):	7

=====

Sample #: JB28411-5
Dept:
Dept:

Change:
Relog for V8015GRO and B8015DRO44- OK to run out of holding time.

SB-6_0-2

=====

Above Changes Per: Rob Kovacs **Date:** 3/20/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1



04/22/13

Technical Report for

Roux Associates

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Accutest Job Number: JB28411R

Sampling Date: 02/07/13

Report to:

Roux Associates

rmaxwell@rouxinc.com

ATTN: Richard Maxwell

Total number of pages in report: **14**



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.

A handwritten signature in black ink that reads 'Nancy F. Cole'.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Roux Associates

Job No: JB28411R

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Sample Number	Collected		Time By	Received	Matrix		Client Sample ID
	Date				Code	Type	
JB28411-5R	02/07/13	11:00	AH	02/08/13	SO	Soil	SB-6_0-2

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



CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Roux Associates

Job No JB28411R

Site: Echo Bay Redevelopment - City Yard, 224 East Main Street, New R

Report Date 4/11/2013 12:21:56 P

On 02/08/2013, 1 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 1 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB28411R 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 GC By Method SW846 8015C

Matrix: SO

Batch ID: GPF3060

- All method blanks for this batch meet method specific criteria.
- Sample(s) JB32010-3MS, JB32010-3MSD were used as the QC samples indicated.
- JB28411-5R: Sample analyzed outside the holding time per client's request.

Extractables by GC By Method SW846 8015C

Matrix: SO

Batch ID: OP64653

- All method blanks for this batch meet method specific criteria.
- Sample(s) JB32042-2MS, JB32042-2MSD were used as the QC samples indicated.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for TPH-DRO (C10-C44) are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JB28411-5R: Sample extracted outside the holding time per client's request.
- JB28411-5R for o-Terphenyl: Outside control limits due to matrix interference.
- JB28411-5R for 5a-Androstane: Outside control limits due to matrix interference.

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

Summary of Hits

Job Number: JB28411R
Account: Roux Associates
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY
Collected: 02/07/13



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

JB28411-5R SB-6_0-2

TPH-DRO (C10-C44) ^a	4170	11	4.0	mg/kg	SW846 8015C

(a) Sample extracted outside the holding time per client's request.

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-6_0-2	Date Sampled:	02/07/13
Lab Sample ID:	JB28411-5R	Date Received:	02/08/13
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	SW846 8015C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	PF05930.D	1	03/22/13	HT	n/a	n/a	GPF3060
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	12	1.1	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	101%		66-119%		

(a) Sample analyzed outside the holding time per client's request.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration 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:	SB-6_0-2	Date Sampled:	02/07/13
Lab Sample ID:	JB28411-5R	Date Received:	02/08/13
Matrix:	SO - Soil	Percent Solids:	90.7
Method:	SW846 8015C SW846 3546		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2Y51964.D	1	04/01/13	HP	03/22/13	OP64653	G2Y2076
Run #2							

	Initial Weight	Final Volume
Run #1	10.5 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C44)	4170	11	4.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	162% ^b		13-142%
16416-32-3	Tetracosane-d50	126%		12-141%
438-22-2	5a-Androstane	144% ^b		13-142%

(a) Sample extracted outside the holding time per client's request.

(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

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB28411 Client: _____ Project: _____
 Date / Time Received: 2/8/2013 Delivery Method: _____ Airbill #'s: _____
 Cooler Temps (Initial/Adjusted): #1: (1/1); 0

Cooler Security

<table border="0"> <tr> <th style="text-align: left;">Y or N</th> <th style="text-align: left;">Y or N</th> </tr> <tr> <td>1. Custody Seals Present: ☒ ☐</td> <td>3. COC Present: ☒ ☐</td> </tr> <tr> <td>2. Custody Seals Intact: ☒ ☐</td> <td>4. Smpl Dates/Time OK: ☒ ☐</td> </tr> </table>	Y or N	Y or N	1. Custody Seals Present: ☒ ☐	3. COC Present: ☒ ☐	2. Custody Seals Intact: ☒ ☐	4. Smpl Dates/Time OK: ☒ ☐	
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: <u>Bar Therm</u>
3. Cooler media: <u>Ice (Bag)</u>
4. No. Coolers: <u>1</u>

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: <u>Intact</u>

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

Job Change Order: JB28411_2_14_2013

Requested Date: 2/14/2013 Received Date: 2/8/2013
Account Name: Roux Associates Due Date: 2/22/2013
Project: Echo Bay Redevelopment - City Yard, 224 East Deliverable: NYASPB
CSR: MartyV TAT (Days): 14

Sample #: JB28411-4, 5 Change: Off hold- Log for AB8270TCL11+, V8260TCL11+,
MTAL
Dept:

Sample #: JB28411-1, 2, 3, 6 Change: Samples can be released from Hold and discarded.
No analyses will be needed on these samples.
Dept:

Above Changes Per: Rob Kovacs Date: 2/14/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Job Change Order: JB28411_2_15_2013

Requested Date: 2/15/2013 Received Date: 2/8/2013
Account Name: Roux Associates Due Date: 2/22/2013
Project: Echo Bay Redevelopment - City Yard, 224 East Deliverable: NYASPB
CSR: michello TAT (Days): 14

Sample #: JB28411-5 Change: Please run analysis for P8082PCB11 and P8081PESTTCL

Dept:

SB-6_0-2

JB28411R: Chain of Custody
Page 4 of 5

Above Changes Per: Robert Kovacs Date: 2/15/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

Job Change Order: JB28411_3_20_2013

Requested Date:	3/20/2013	Received Date:	2/8/2013
Account Name:	Roux Associates	Due Date:	2/22/2013
Project	Echo Bay Redevelopment - City Yard, 224 East	Deliverable:	NYASPB
CSR:	MartyV	TAT (Days):	7

=====

Sample #: JB28411-5
Dept:
Dept:

Change:
Relog for V8015GRO and B8015DRO44- OK to run out of holding time.

SB-6_0-2

=====

Above Changes Per: Rob Kovacs **Date:** 3/20/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service



04/22/13

Technical Report for

Roux Associates

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Accutest Job Number: JB28725

Sampling Dates: 02/11/13 - 02/12/13

Report to:

Roux Associates

rmaxwell@rouxinc.com

ATTN: Richard Maxwell

Total number of pages in report: **89**



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.

A handwritten signature in black ink that reads 'Nancy F. Cole'.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Roux Associates

Job No: JB28725

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JB28725-2	02/11/13	13:00 AH	02/13/13	SO	Soil	SB-1_0-2
JB28725-3	02/11/13	15:00 AH	02/13/13	SO	Soil	SB-2_0-2
JB28725-4	02/12/13	09:15 AH	02/13/13	SO	Soil	SB-14_6-8
JB28725-4R	02/12/13	09:15 AH	02/13/13	SO	Soil	SB-14_6-8
JB28725-5	02/12/13	10:00 AH	02/13/13	SO	Soil	SB-13_7-9
JB28725-6	02/12/13	10:30 AH	02/13/13	SO	Soil	SB-12_10-12
JB28725-7	02/12/13	10:45 AH	02/13/13	SO	Soil	SB-12_14-16
JB28725-8	02/12/13	11:30 AH	02/13/13	SO	Soil	SB-11_17-19
JB28725-8R	02/12/13	11:30 AH	02/13/13	SO	Soil	SB-11_17-19
JB28725-9	02/12/13	13:00 AH	02/13/13	SO	Soil	SB-10_8-10
JB28725-10	02/12/13	13:30 AH	02/13/13	SO	Soil	SB-10_14-16
JB28725-11	02/12/13	13:30 AH	02/13/13	AQ	Trip Blank Soil	TRIP BLANK

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

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Roux Associates

Job No JB28725

Site: Echo Bay Redevelopment - City Yard, 224 East Main Street, New R

Report Date 3/14/2013 11:08:13 A

On 02/13/2013, 9 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 1.5 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB28725 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: V4D1455

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB28842-5MS, JB28842-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO

Batch ID: V3C4254

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB28725-2MS, JB28725-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO

Batch ID: V3C4257

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB28725-10MS, JB28725-10MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: SO

Batch ID: VA7223

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29295-2MS, JB29295-2MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 1,1,2,2-Tetrachloroethane, Methyl Acetate, Tetrachloroethene, Trichloroethene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Tetrachloroethene, Trichloroethene, 1,1,2,2-Tetrachloroethane, Methyl Acetate are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for 1,1,2,2-Tetrachloroethane, Methyl Acetate are outside control limits for sample JB29295-2MSD. Outside control limits due to matrix interference.
- JB29295-2MS for Dibromofluoromethane: Outside control limits due to matrix interference.
- JB29295-2MSD for Dibromofluoromethane: Outside control limits due to matrix interference.

Matrix: SO

Batch ID: VD8395

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29261-16MS, JB29261-16MSD were used as the QC samples indicated.
- JB28725-7: Dilution required due to matrix interference.

Matrix: SO

Batch ID: VE8795

Volatiles by GCMS By Method SW846 8260B

Matrix: SO

Batch ID: VE8795

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB28784-6MS, JB28784-6MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Tetrachloroethene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JB28725-8: Dilution required due to matrix interference.

Matrix: SO

Batch ID: VE8796

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB28801-6MS, JB28801-6MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JB28725-5: Diluted due to high concentration of non-target compound.

Extractables by GCMS By Method SW846 8270D

Matrix: SO

Batch ID: OP63785

- All samples were extracted within the recommended method holding time.
- Sample(s) JB28725-7MS, JB28725-7MSD 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-Methylnaphthalene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- Matrix Spike /Matrix Spike Duplicate Duplicate Recovery(s) for 2,6-Dinitrotoluene, 4-Nitrophenol, Caprolactam, Dibenzofuran, Phenanthrene are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for 2-Methylphenol, 3&4-Methylphenol, Acetophenone, Caprolactam, Carbazole, Dibenzofuran, Diethyl phthalate, N-Nitroso-di-n-propylamine, N-Nitrosodiphenylamine, Phenanthrene, Pyrene are outside of in house control limits for sample OP63785-MSD.

Extractables by GC By Method SW846 8081B

Matrix: SO

Batch ID: OP63827

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29023-1MS, JB29023-1MSD were used as the QC samples indicated.
- JB28725-8R for gamma-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JB28725-4R for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JB28725-4R for Dieldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JB28725-4R for gamma-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JB28725-8R for 4,4'-DDE: More than 40 % RPD for detected concentrations between the two GC columns.

Extractables by GC By Method SW846 8082A

Matrix: SO

Batch ID: OP63826

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29023-1MS, JB29023-1MSD were used as the QC samples indicated.

Metals By Method SW846 6010C

Matrix: SO

Batch ID: MP69993

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB28725-10MS, JB28725-10MSD, JB28725-10SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Antimony, Potassium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Antimony, Manganese are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- RPD(s) for Serial Dilution for Arsenic, Selenium, Silver, Thallium are outside control limits for sample MP69993-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals By Method SW846 7471B

Matrix: SO

Batch ID: MP70016

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB28718-2MS, JB28718-2MSD were used as the QC samples for metals.

Wet Chemistry By Method ASTM 4643-00

Matrix: SO

Batch ID: GN80200

- The data for ASTM 4643-00 meets quality control requirements.

Matrix: SO

Batch ID: GN80209

- The data for ASTM 4643-00 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

Summary of Hits

Job Number: JB28725

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/11/13 thru 02/12/13



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

JB28725-2 SB-1_0-2

Acetone	19.3	12	2.0	ug/kg	SW846 8260B
Chloroform	0.23 J	5.9	0.098	ug/kg	SW846 8260B
Tetrachloroethene	0.51 J	5.9	0.20	ug/kg	SW846 8260B
Benzo(a)anthracene	47.8	33	11	ug/kg	SW846 8270D
Benzo(a)pyrene	48.7	33	10	ug/kg	SW846 8270D
Benzo(b)fluoranthene	60.8	33	11	ug/kg	SW846 8270D
Benzo(g,h,i)perylene	47.3	33	12	ug/kg	SW846 8270D
Benzo(k)fluoranthene	31.3 J	33	13	ug/kg	SW846 8270D
Chrysene	46.5	33	11	ug/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate	231	67	30	ug/kg	SW846 8270D
Fluoranthene	58.3	33	15	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	41.1	33	12	ug/kg	SW846 8270D
Phenanthrene	27.6 J	33	15	ug/kg	SW846 8270D
Pyrene	65.0	33	13	ug/kg	SW846 8270D
Total TIC, Semi-Volatile	5830 J			ug/kg	
Aluminum	10000	53		mg/kg	SW846 6010C
Arsenic	3.1	2.1		mg/kg	SW846 6010C
Barium	80.5	21		mg/kg	SW846 6010C
Beryllium	0.42	0.21		mg/kg	SW846 6010C
Calcium	14500	530		mg/kg	SW846 6010C
Chromium	13.8	1.1		mg/kg	SW846 6010C
Copper	40.0	2.6		mg/kg	SW846 6010C
Iron	13600	53		mg/kg	SW846 6010C
Lead	50.3	2.1		mg/kg	SW846 6010C
Magnesium	4000	530		mg/kg	SW846 6010C
Manganese	356	1.6		mg/kg	SW846 6010C
Mercury	0.44	0.033		mg/kg	SW846 7471B
Nickel	14.4	4.2		mg/kg	SW846 6010C
Potassium	3950	1100		mg/kg	SW846 6010C
Vanadium	19.6	5.3		mg/kg	SW846 6010C
Zinc	73.1	2.1		mg/kg	SW846 6010C

JB28725-3 SB-2_0-2

Acetone	51.1	13	2.2	ug/kg	SW846 8260B
Benzene	0.44 J	1.3	0.15	ug/kg	SW846 8260B
Ethylbenzene	0.58 J	1.3	0.34	ug/kg	SW846 8260B
Tetrachloroethene	3.2 J	6.5	0.22	ug/kg	SW846 8260B
Toluene	9.3	1.3	0.14	ug/kg	SW846 8260B
m,p-Xylene	2.1	1.3	0.22	ug/kg	SW846 8260B
o-Xylene	0.76 J	1.3	0.18	ug/kg	SW846 8260B
Xylene (total)	2.8	1.3	0.18	ug/kg	SW846 8260B
Total TIC, Volatile	7.1 J			ug/kg	

Summary of Hits

Job Number: JB28725

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/11/13 thru 02/12/13



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Acenaphthene		51.6	32	9.2	ug/kg	SW846 8270D
Acenaphthylene		68.2	32	10	ug/kg	SW846 8270D
Anthracene		150	32	11	ug/kg	SW846 8270D
Benzo(a)anthracene		669	32	10	ug/kg	SW846 8270D
Benzo(a)pyrene		749	32	9.7	ug/kg	SW846 8270D
Benzo(b)fluoranthene		712	32	11	ug/kg	SW846 8270D
Benzo(g,h,i)perylene		543	32	12	ug/kg	SW846 8270D
Benzo(k)fluoranthene		591	32	12	ug/kg	SW846 8270D
Carbazole		43.7 J	64	15	ug/kg	SW846 8270D
Chrysene		725	32	11	ug/kg	SW846 8270D
Dibenzo(a,h)anthracene		172	32	11	ug/kg	SW846 8270D
Dibenzofuran		18.8 J	64	9.5	ug/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		200	64	28	ug/kg	SW846 8270D
Fluoranthene		1150	32	14	ug/kg	SW846 8270D
Fluorene		46.7	32	10	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		480	32	11	ug/kg	SW846 8270D
2-Methylnaphthalene		83.5	64	18	ug/kg	SW846 8270D
Naphthalene		13.2 J	32	8.7	ug/kg	SW846 8270D
Phenanthrene		495	32	14	ug/kg	SW846 8270D
Pyrene		1080	32	12	ug/kg	SW846 8270D
Total TIC, Semi-Volatile		16140 J			ug/kg	
Aluminum		11300	54		mg/kg	SW846 6010C
Arsenic		5.2	2.2		mg/kg	SW846 6010C
Barium		67.2	22		mg/kg	SW846 6010C
Beryllium		0.41	0.22		mg/kg	SW846 6010C
Calcium		38900	540		mg/kg	SW846 6010C
Chromium		15.5	1.1		mg/kg	SW846 6010C
Cobalt		8.3	5.4		mg/kg	SW846 6010C
Copper		81.8	2.7		mg/kg	SW846 6010C
Iron		19300	54		mg/kg	SW846 6010C
Lead		181	2.2		mg/kg	SW846 6010C
Magnesium		7050	540		mg/kg	SW846 6010C
Manganese		264	1.6		mg/kg	SW846 6010C
Mercury		0.078	0.034		mg/kg	SW846 7471B
Nickel		17.5	4.3		mg/kg	SW846 6010C
Potassium		1480	1100		mg/kg	SW846 6010C
Vanadium		41.9	5.4		mg/kg	SW846 6010C
Zinc		119	2.2		mg/kg	SW846 6010C

JB28725-4

SB-14_6-8

Tetrachloroethene	1.2 J	6.3	0.22	ug/kg	SW846 8260B
Total TIC, Volatile	404.5 J			ug/kg	
Acenaphthene	36.5	34	9.8	ug/kg	SW846 8270D
Acenaphthylene	16.5 J	34	11	ug/kg	SW846 8270D

Summary of Hits

Job Number: JB28725

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/11/13 thru 02/12/13



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Anthracene		100	34	12	ug/kg	SW846 8270D
Benzo(a)anthracene		296	34	11	ug/kg	SW846 8270D
Benzo(a)pyrene		288	34	10	ug/kg	SW846 8270D
Benzo(b)fluoranthene		319	34	11	ug/kg	SW846 8270D
Benzo(g,h,i)perylene		204	34	13	ug/kg	SW846 8270D
Benzo(k)fluoranthene		180	34	13	ug/kg	SW846 8270D
Carbazole		36.9 J	68	16	ug/kg	SW846 8270D
Chrysene		300	34	11	ug/kg	SW846 8270D
Dibenzo(a,h)anthracene		65.6	34	12	ug/kg	SW846 8270D
Dibenzofuran		26.8 J	68	10	ug/kg	SW846 8270D
Dimethyl phthalate		43.2 J	68	12	ug/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		111	68	30	ug/kg	SW846 8270D
Fluoranthene		588	34	15	ug/kg	SW846 8270D
Fluorene		45.5	34	11	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		178	34	12	ug/kg	SW846 8270D
2-Methylnaphthalene		60.5 J	68	19	ug/kg	SW846 8270D
Naphthalene		40.2	34	9.3	ug/kg	SW846 8270D
Phenanthrene		322	34	15	ug/kg	SW846 8270D
Pyrene		519	34	13	ug/kg	SW846 8270D
Total TIC, Semi-Volatile		45570 J			ug/kg	
Aluminum		13000	55		mg/kg	SW846 6010C
Arsenic		4.2	2.2		mg/kg	SW846 6010C
Barium		85.6	22		mg/kg	SW846 6010C
Beryllium		0.53	0.22		mg/kg	SW846 6010C
Cadmium		0.82	0.55		mg/kg	SW846 6010C
Calcium		4800	550		mg/kg	SW846 6010C
Chromium		27.9	1.1		mg/kg	SW846 6010C
Cobalt		6.5	5.5		mg/kg	SW846 6010C
Copper		47.8	2.8		mg/kg	SW846 6010C
Iron		17600	55		mg/kg	SW846 6010C
Lead		247	2.2		mg/kg	SW846 6010C
Magnesium		4740	550		mg/kg	SW846 6010C
Manganese		324	1.7		mg/kg	SW846 6010C
Mercury		0.085	0.037		mg/kg	SW846 7471B
Nickel		27.6	4.4		mg/kg	SW846 6010C
Potassium		2800	1100		mg/kg	SW846 6010C
Vanadium		34.9	5.5		mg/kg	SW846 6010C
Zinc		164	2.2		mg/kg	SW846 6010C

JB28725-4R SB-14_6-8

alpha-Chlordane	12.6	0.74	0.27	ug/kg	SW846 8081B
gamma-Chlordane ^a	8.4	0.74	0.51	ug/kg	SW846 8081B
Dieldrin ^a	1.4	0.74	0.29	ug/kg	SW846 8081B
4,4'-DDD	12.3	0.74	0.41	ug/kg	SW846 8081B

Summary of Hits

Job Number: JB28725

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/11/13 thru 02/12/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

4,4'-DDE		2.7	0.74	0.30	ug/kg	SW846 8081B
4,4'-DDT ^a		5.9	0.74	0.37	ug/kg	SW846 8081B

JB28725-5 SB-13_7-9

Benzene ^b	1580	670	80	ug/kg	SW846 8260B
Cyclohexane ^b	2650 J	3300	83	ug/kg	SW846 8260B
Ethylbenzene ^b	23500	670	180	ug/kg	SW846 8260B
Isopropylbenzene ^b	6600	3300	50	ug/kg	SW846 8260B
Methylcyclohexane ^b	16900	3300	110	ug/kg	SW846 8260B
Toluene ^b	416 J	670	70	ug/kg	SW846 8260B
m,p-Xylene ^b	41900	670	120	ug/kg	SW846 8260B
o-Xylene ^b	11000	670	93	ug/kg	SW846 8260B
Xylene (total) ^b	52900	670	93	ug/kg	SW846 8260B
Total TIC, Volatile	604000 J			ug/kg	
Acenaphthene	3560	38	11	ug/kg	SW846 8270D
Benzo(a)anthracene	368	38	12	ug/kg	SW846 8270D
Benzo(a)pyrene	278	38	12	ug/kg	SW846 8270D
Benzo(b)fluoranthene	282	38	13	ug/kg	SW846 8270D
Benzo(g,h,i)perylene	181	38	14	ug/kg	SW846 8270D
Benzo(k)fluoranthene	139	38	14	ug/kg	SW846 8270D
1,1'-Biphenyl	2050	76	4.4	ug/kg	SW846 8270D
Chrysene	423	38	13	ug/kg	SW846 8270D
Dibenzo(a,h)anthracene	52.2	38	13	ug/kg	SW846 8270D
Dibenzofuran	2310	76	11	ug/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate	280	76	33	ug/kg	SW846 8270D
Fluoranthene	903	38	17	ug/kg	SW846 8270D
Fluorene	3010	38	12	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	159	38	13	ug/kg	SW846 8270D
2-Methylnaphthalene	77700	3000	850	ug/kg	SW846 8270D
Naphthalene	32600	1500	410	ug/kg	SW846 8270D
Phenanthrene	11200	1500	690	ug/kg	SW846 8270D
Pyrene	1570	38	15	ug/kg	SW846 8270D
Total TIC, Semi-Volatile	132300 J			ug/kg	
Aluminum	13700	61		mg/kg	SW846 6010C
Arsenic	3.0	2.4		mg/kg	SW846 6010C
Barium	84.5	24		mg/kg	SW846 6010C
Beryllium	0.62	0.24		mg/kg	SW846 6010C
Calcium	2660	610		mg/kg	SW846 6010C
Chromium	24.9	1.2		mg/kg	SW846 6010C
Cobalt	7.2	6.1		mg/kg	SW846 6010C
Copper	29.3	3.0		mg/kg	SW846 6010C
Iron	20700	61		mg/kg	SW846 6010C
Lead	27.0	2.4		mg/kg	SW846 6010C
Magnesium	4140	610		mg/kg	SW846 6010C

Summary of Hits

Job Number: JB28725

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/11/13 thru 02/12/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Manganese		757	1.8		mg/kg	SW846 6010C
Mercury		0.053	0.035		mg/kg	SW846 7471B
Nickel		20.9	4.9		mg/kg	SW846 6010C
Potassium		4240	1200		mg/kg	SW846 6010C
Sodium		1780	1200		mg/kg	SW846 6010C
Vanadium		30.1	6.1		mg/kg	SW846 6010C
Zinc		49.9	2.4		mg/kg	SW846 6010C

JB28725-6 SB-12_10-12

Benzene	7480	150	18	ug/kg	SW846 8260B
Cyclohexane	6290	740	18	ug/kg	SW846 8260B
Ethylbenzene	12500	150	39	ug/kg	SW846 8260B
Isopropylbenzene	5150	740	11	ug/kg	SW846 8260B
Methylcyclohexane	21700	740	25	ug/kg	SW846 8260B
Toluene	617	150	16	ug/kg	SW846 8260B
m,p-Xylene	7220	150	26	ug/kg	SW846 8260B
o-Xylene	386	150	21	ug/kg	SW846 8260B
Xylene (total)	7600	150	21	ug/kg	SW846 8260B
Total TIC, Volatile	228400 J			ug/kg	
Acenaphthene	1340	38	11	ug/kg	SW846 8270D
Acenaphthylene	693	38	12	ug/kg	SW846 8270D
Anthracene	2720	38	13	ug/kg	SW846 8270D
Benzo(a)anthracene	8120	770	250	ug/kg	SW846 8270D
Benzo(a)pyrene	8560	770	230	ug/kg	SW846 8270D
Benzo(b)fluoranthene	7300	770	260	ug/kg	SW846 8270D
Benzo(g,h,i)perylene	5080	770	290	ug/kg	SW846 8270D
Benzo(k)fluoranthene	6810	770	290	ug/kg	SW846 8270D
1,1'-Biphenyl	951	77	4.5	ug/kg	SW846 8270D
Carbazole	600	77	18	ug/kg	SW846 8270D
Chrysene	8570	770	260	ug/kg	SW846 8270D
Dibenzo(a,h)anthracene	2230	38	13	ug/kg	SW846 8270D
Dibenzofuran	872	77	11	ug/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate	182	77	34	ug/kg	SW846 8270D
Fluoranthene	13300	770	340	ug/kg	SW846 8270D
Fluorene	2270	38	13	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	4770	770	270	ug/kg	SW846 8270D
2-Methylnaphthalene	24800	1500	430	ug/kg	SW846 8270D
Naphthalene	11000	770	210	ug/kg	SW846 8270D
Phenanthrene	10300	770	350	ug/kg	SW846 8270D
Pyrene	11400	770	300	ug/kg	SW846 8270D
Total TIC, Semi-Volatile	119700 J			ug/kg	
Aluminum	14500	49		mg/kg	SW846 6010C
Arsenic	5.3	2.0		mg/kg	SW846 6010C
Barium	114	20		mg/kg	SW846 6010C

Summary of Hits

Job Number: JB28725

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/11/13 thru 02/12/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Beryllium		0.56	0.20		mg/kg	SW846 6010C
Cadmium		0.68	0.49		mg/kg	SW846 6010C
Calcium		5470	490		mg/kg	SW846 6010C
Chromium		34.0	0.98		mg/kg	SW846 6010C
Cobalt		7.7	4.9		mg/kg	SW846 6010C
Copper		50.2	2.5		mg/kg	SW846 6010C
Iron		25300	49		mg/kg	SW846 6010C
Lead		195	2.0		mg/kg	SW846 6010C
Magnesium		6960	490		mg/kg	SW846 6010C
Manganese		281	1.5		mg/kg	SW846 6010C
Mercury		0.40	0.037		mg/kg	SW846 7471B
Nickel		25.9	3.9		mg/kg	SW846 6010C
Potassium		4630	980		mg/kg	SW846 6010C
Silver		0.80	0.49		mg/kg	SW846 6010C
Sodium		1020	980		mg/kg	SW846 6010C
Vanadium		40.0	4.9		mg/kg	SW846 6010C
Zinc		199	2.0		mg/kg	SW846 6010C

JB28725-7

SB-12_14-16

Benzene ^c	438	68	8.1	ug/kg	SW846 8260B
Cyclohexane ^c	577	340	8.4	ug/kg	SW846 8260B
Ethylbenzene ^c	283	68	18	ug/kg	SW846 8260B
Isopropylbenzene ^c	1180	340	5.0	ug/kg	SW846 8260B
Methylcyclohexane ^c	3190	340	11	ug/kg	SW846 8260B
Toluene ^c	38.8 J	68	7.1	ug/kg	SW846 8260B
m,p-Xylene ^c	150	68	12	ug/kg	SW846 8260B
o-Xylene ^c	29.8 J	68	9.4	ug/kg	SW846 8260B
Xylene (total) ^c	180	68	9.4	ug/kg	SW846 8260B
Total TIC, Volatile	193600 J			ug/kg	
Acenaphthene	606	36	10	ug/kg	SW846 8270D
Anthracene	141	36	13	ug/kg	SW846 8270D
Benzo(a)anthracene	40.2	36	12	ug/kg	SW846 8270D
Benzo(a)pyrene	28.3 J	36	11	ug/kg	SW846 8270D
Benzo(b)fluoranthene	29.6 J	36	12	ug/kg	SW846 8270D
Benzo(g,h,i)perylene	17.2 J	36	13	ug/kg	SW846 8270D
Benzo(k)fluoranthene	16.6 J	36	13	ug/kg	SW846 8270D
Chrysene	45.4	36	12	ug/kg	SW846 8270D
Dibenzofuran	592	72	11	ug/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate	78.1	72	32	ug/kg	SW846 8270D
Fluoranthene	106	36	16	ug/kg	SW846 8270D
Fluorene	1340	36	12	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	17.4 J	36	12	ug/kg	SW846 8270D
2-Methylnaphthalene	6750	290	80	ug/kg	SW846 8270D
Naphthalene	295	36	9.8	ug/kg	SW846 8270D

Summary of Hits

Job Number: JB28725

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/11/13 thru 02/12/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Phenanthrene		2570	36	16	ug/kg	SW846 8270D
Pyrene		226	36	14	ug/kg	SW846 8270D
Total TIC, Semi-Volatile		127000 J			ug/kg	
Aluminum		13700	56		mg/kg	SW846 6010C
Arsenic		3.1	2.2		mg/kg	SW846 6010C
Barium		72.9	22		mg/kg	SW846 6010C
Beryllium		0.49	0.22		mg/kg	SW846 6010C
Calcium		729	560		mg/kg	SW846 6010C
Chromium		24.7	1.1		mg/kg	SW846 6010C
Cobalt		6.6	5.6		mg/kg	SW846 6010C
Copper		28.1	2.8		mg/kg	SW846 6010C
Iron		19500	56		mg/kg	SW846 6010C
Lead		9.2	2.2		mg/kg	SW846 6010C
Magnesium		4230	560		mg/kg	SW846 6010C
Manganese		173	1.7		mg/kg	SW846 6010C
Nickel		19.0	4.5		mg/kg	SW846 6010C
Potassium		4210	1100		mg/kg	SW846 6010C
Vanadium		28.0	5.6		mg/kg	SW846 6010C
Zinc		63.3	2.2		mg/kg	SW846 6010C

JB28725-8

SB-11_17-19

Benzene ^c	267	72	8.6	ug/kg	SW846 8260B
Chlorobenzene ^c	5370	360	7.8	ug/kg	SW846 8260B
Cyclohexane ^c	503	360	9.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene ^c	314 J	360	14	ug/kg	SW846 8260B
1,3-Dichlorobenzene ^c	622	360	14	ug/kg	SW846 8260B
1,4-Dichlorobenzene ^c	3140	360	13	ug/kg	SW846 8260B
Ethylbenzene ^c	1330	72	19	ug/kg	SW846 8260B
Isopropylbenzene ^c	313 J	360	5.4	ug/kg	SW846 8260B
Methylcyclohexane ^c	1710	360	12	ug/kg	SW846 8260B
Toluene ^c	248	72	7.6	ug/kg	SW846 8260B
1,2,4-Trichlorobenzene ^c	494	360	10	ug/kg	SW846 8260B
m,p-Xylene ^c	3190	72	13	ug/kg	SW846 8260B
o-Xylene ^c	2020	72	10	ug/kg	SW846 8260B
Xylene (total) ^c	5210	72	10	ug/kg	SW846 8260B
Total TIC, Volatile	103200 J			ug/kg	
Acenaphthene	1500	38	11	ug/kg	SW846 8270D
Anthracene	172	38	13	ug/kg	SW846 8270D
Benzo(a)anthracene	128	38	13	ug/kg	SW846 8270D
Benzo(a)pyrene	109	38	12	ug/kg	SW846 8270D
Benzo(b)fluoranthene	127	38	13	ug/kg	SW846 8270D
Benzo(g,h,i)perylene	102	38	14	ug/kg	SW846 8270D
Benzo(k)fluoranthene	67.5	38	14	ug/kg	SW846 8270D
1,1'-Biphenyl	437	77	4.5	ug/kg	SW846 8270D

Summary of Hits

Job Number: JB28725

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/11/13 thru 02/12/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chrysene		153	38	13	ug/kg	SW846 8270D
Dibenzo(a,h)anthracene		29.2 J	38	13	ug/kg	SW846 8270D
Dibenzofuran		701	77	11	ug/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		278	77	34	ug/kg	SW846 8270D
Fluoranthene		499	38	17	ug/kg	SW846 8270D
Fluorene		644	38	13	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		63.9	38	13	ug/kg	SW846 8270D
2-Methylnaphthalene		3500	77	21	ug/kg	SW846 8270D
Naphthalene		1810	38	11	ug/kg	SW846 8270D
Phenanthrene		1180	38	18	ug/kg	SW846 8270D
Pyrene		536	38	15	ug/kg	SW846 8270D
Total TIC, Semi-Volatile		201800 J			ug/kg	
Aluminum		8630	50		mg/kg	SW846 6010C
Arsenic		3.7	2.0		mg/kg	SW846 6010C
Barium		300	20		mg/kg	SW846 6010C
Beryllium		0.35	0.20		mg/kg	SW846 6010C
Cadmium		1.1	0.50		mg/kg	SW846 6010C
Calcium		16800	500		mg/kg	SW846 6010C
Chromium		25.8	1.0		mg/kg	SW846 6010C
Cobalt		6.2	5.0		mg/kg	SW846 6010C
Copper		59.2	2.5		mg/kg	SW846 6010C
Iron		18700	50		mg/kg	SW846 6010C
Lead		150	2.0		mg/kg	SW846 6010C
Magnesium		5620	500		mg/kg	SW846 6010C
Manganese		186	1.5		mg/kg	SW846 6010C
Mercury		0.098	0.035		mg/kg	SW846 7471B
Nickel		29.2	4.0		mg/kg	SW846 6010C
Potassium		4820	1000		mg/kg	SW846 6010C
Silver		0.68	0.50		mg/kg	SW846 6010C
Vanadium		27.3	5.0		mg/kg	SW846 6010C
Zinc		318	2.0		mg/kg	SW846 6010C

JB28725-8R SB-11_17-19

alpha-Chlordane	24.6	0.77	0.29	ug/kg	SW846 8081B
gamma-Chlordane ^a	13.2	0.77	0.53	ug/kg	SW846 8081B
4,4' -DDD	15.6	0.77	0.42	ug/kg	SW846 8081B
4,4' -DDE ^a	10.1	0.77	0.31	ug/kg	SW846 8081B
Methoxychlor	2.5	1.5	0.76	ug/kg	SW846 8081B

JB28725-9 SB-10_8-10

Benzene	61.9 J	72	8.6	ug/kg	SW846 8260B
Cyclohexane	861	360	8.9	ug/kg	SW846 8260B
Ethylbenzene	7950	72	19	ug/kg	SW846 8260B

Summary of Hits

Job Number: JB28725

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/11/13 thru 02/12/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Isopropylbenzene		1490	360	5.4	ug/kg	SW846 8260B
Methylcyclohexane		4470	360	12	ug/kg	SW846 8260B
Toluene		190	72	7.6	ug/kg	SW846 8260B
m,p-Xylene		24700	72	13	ug/kg	SW846 8260B
o-Xylene		4710	72	10	ug/kg	SW846 8260B
Xylene (total)		29400	72	10	ug/kg	SW846 8260B
Total TIC, Volatile		87400 J			ug/kg	
Acenaphthene		126	41	12	ug/kg	SW846 8270D
Anthracene		55.6	41	14	ug/kg	SW846 8270D
Benzo(a)anthracene		26.6 J	41	13	ug/kg	SW846 8270D
1,1'-Biphenyl		164	81	4.7	ug/kg	SW846 8270D
Chrysene		20.1 J	41	14	ug/kg	SW846 8270D
Dibenzofuran		33.1 J	81	12	ug/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		220	81	36	ug/kg	SW846 8270D
Fluoranthene		60.3	41	18	ug/kg	SW846 8270D
Fluorene		123	41	13	ug/kg	SW846 8270D
2-Methylnaphthalene		9720	410	110	ug/kg	SW846 8270D
Naphthalene		8110	200	56	ug/kg	SW846 8270D
Phenanthrene		333	41	19	ug/kg	SW846 8270D
Pyrene		71.3	41	16	ug/kg	SW846 8270D
Total TIC, Semi-Volatile		106500 J			ug/kg	
Aluminum		15900	50		mg/kg	SW846 6010C
Arsenic		5.2	2.0		mg/kg	SW846 6010C
Barium		46.2	20		mg/kg	SW846 6010C
Beryllium		0.77	0.20		mg/kg	SW846 6010C
Calcium		1260	500		mg/kg	SW846 6010C
Chromium		28.1	1.0		mg/kg	SW846 6010C
Cobalt		13.5	5.0		mg/kg	SW846 6010C
Copper		17.8	2.5		mg/kg	SW846 6010C
Iron		21700	50		mg/kg	SW846 6010C
Lead		8.5	2.0		mg/kg	SW846 6010C
Magnesium		4160	500		mg/kg	SW846 6010C
Manganese		218	1.5		mg/kg	SW846 6010C
Nickel		23.1	4.0		mg/kg	SW846 6010C
Potassium		1930	1000		mg/kg	SW846 6010C
Vanadium		34.3	5.0		mg/kg	SW846 6010C
Zinc		36.2	2.0		mg/kg	SW846 6010C

JB28725-10 SB-10_14-16

Carbon disulfide	0.60 J	6.2	0.15	ug/kg	SW846 8260B
Ethylbenzene	0.81 J	1.2	0.33	ug/kg	SW846 8260B
Methylcyclohexane	0.33 J	6.2	0.21	ug/kg	SW846 8260B
Tetrachloroethene	0.58 J	6.2	0.21	ug/kg	SW846 8260B
Toluene	1.9	1.2	0.13	ug/kg	SW846 8260B

Summary of Hits

Job Number: JB28725

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/11/13 thru 02/12/13

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Analyte						
m,p-Xylene		2.8	1.2	0.22	ug/kg	SW846 8260B
o-Xylene		0.96 J	1.2	0.17	ug/kg	SW846 8260B
Xylene (total)		3.7	1.2	0.17	ug/kg	SW846 8260B
Total TIC, Volatile		274 J			ug/kg	
bis(2-Ethylhexyl)phthalate		163	64	28	ug/kg	SW846 8270D
Total TIC, Semi-Volatile		2880 J			ug/kg	
Aluminum		7290	55		mg/kg	SW846 6010C
Barium		65.9	22		mg/kg	SW846 6010C
Calcium		600	550		mg/kg	SW846 6010C
Chromium		13.1	1.1		mg/kg	SW846 6010C
Copper		16.1	2.8		mg/kg	SW846 6010C
Iron		11100	55		mg/kg	SW846 6010C
Lead		4.3	2.2		mg/kg	SW846 6010C
Magnesium		2380	550		mg/kg	SW846 6010C
Manganese		207	1.7		mg/kg	SW846 6010C
Nickel		13.8	4.4		mg/kg	SW846 6010C
Potassium		2480	1100		mg/kg	SW846 6010C
Vanadium		16.6	5.5		mg/kg	SW846 6010C
Zinc		24.6	2.2		mg/kg	SW846 6010C

JB28725-11 TRIP BLANK

No hits reported in this sample.

- (a) More than 40 % RPD for detected concentrations between the two GC columns.
- (b) Diluted due to high concentration of non-target compound.
- (c) Dilution required due to matrix interference.

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 2

Client Sample ID:	SB-1_0-2	Date Sampled:	02/11/13
Lab Sample ID:	JB28725-2	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	93.8
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C95915.D	1	02/19/13	JTP	n/a	n/a	V3C4254
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	19.3	12	2.0	ug/kg	
71-43-2	Benzene	ND	1.2	0.14	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	0.31	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	0.12	ug/kg	
75-25-2	Bromoform	ND	5.9	0.18	ug/kg	
74-83-9	Bromomethane	ND	5.9	0.32	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.8	ug/kg	
75-15-0	Carbon disulfide	ND	5.9	0.14	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	0.16	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	0.13	ug/kg	
75-00-3	Chloroethane	ND	5.9	0.27	ug/kg	
67-66-3	Chloroform	0.23	5.9	0.098	ug/kg	J
74-87-3	Chloromethane	ND	5.9	0.22	ug/kg	
110-82-7	Cyclohexane	ND	5.9	0.15	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	1.1	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	0.19	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.15	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.9	0.22	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.9	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.9	0.21	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	0.27	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.16	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.9	0.30	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.9	0.22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.9	0.28	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	0.18	ug/kg	
123-91-1	1,4-Dioxane	ND	150	70	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.31	ug/kg	
76-13-1	Freon 113	ND	5.9	0.51	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

Page 2 of 2

Client Sample ID: SB-1_0-2	Date Sampled: 02/11/13
Lab Sample ID: JB28725-2	Date Received: 02/13/13
Matrix: SO - Soil	Percent Solids: 93.8
Method: SW846 8260B	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.9	0.74	ug/kg	
98-82-8	Isopropylbenzene	ND	5.9	0.088	ug/kg	
79-20-9	Methyl Acetate	ND	5.9	3.1	ug/kg	
108-87-2	Methylcyclohexane	ND	5.9	0.20	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.28	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.9	0.89	ug/kg	
75-09-2	Methylene chloride	ND	5.9	1.5	ug/kg	
100-42-5	Styrene	ND	5.9	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	0.16	ug/kg	
127-18-4	Tetrachloroethene	0.51	5.9	0.20	ug/kg	J
108-88-3	Toluene	ND	1.2	0.12	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	0.19	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	0.16	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	0.21	ug/kg	
79-01-6	Trichloroethene	ND	5.9	0.21	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	0.35	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	0.17	ug/kg	
	m,p-Xylene	ND	1.2	0.21	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.16	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
17060-07-0	1,2-Dichloroethane-D4	85%		70-122%
2037-26-5	Toluene-D8	96%		81-127%
460-00-4	4-Bromofluorobenzene	98%		66-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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:	SB-1_0-2	Date Sampled:	02/11/13
Lab Sample ID:	JB28725-2	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	93.8
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E48115.D	1	02/25/13	OYA	02/22/13	OP63785	E3E2085
Run #2							

Run #	Initial Weight	Final Volume
Run #1	31.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

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	33	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	54	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	56	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	ND	67	38	ug/kg	
	3&4-Methylphenol	ND	67	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	ND	67	35	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	34	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	ND	33	9.7	ug/kg	
208-96-8	Acenaphthylene	ND	33	11	ug/kg	
98-86-2	Acetophenone	ND	170	5.9	ug/kg	
120-12-7	Anthracene	ND	33	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.6	ug/kg	
56-55-3	Benzo(a)anthracene	47.8	33	11	ug/kg	
50-32-8	Benzo(a)pyrene	48.7	33	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	60.8	33	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	47.3	33	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	31.3	33	13	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	67	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	19	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	3.9	ug/kg	
100-52-7	Benzaldehyde	ND	170	7.7	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	ND	67	15	ug/kg	

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-1_0-2	Date Sampled:	02/11/13
Lab Sample ID:	JB28725-2	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	93.8
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	67	11	ug/kg	
218-01-9	Chrysene	46.5	33	11	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	
108-60-1	bis(2-Chloroisopropyl)ether	ND	67	9.9	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	10	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	8.5	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	11	ug/kg	
132-64-9	Dibenzofuran	ND	67	9.9	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	7.4	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	231	67	30	ug/kg	
206-44-0	Fluoranthene	58.3	33	15	ug/kg	
86-73-7	Fluorene	ND	33	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	9.3	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	34	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.3	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	41.1	33	12	ug/kg	
78-59-1	Isophorone	ND	67	9.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	67	19	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	ND	33	9.1	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	27.6	33	15	ug/kg	J
129-00-0	Pyrene	65.0	33	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		21-116%
4165-62-2	Phenol-d5	58%		19-117%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration 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:	SB-1_0-2	Date Sampled:	02/11/13
Lab Sample ID:	JB28725-2	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	93.8
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	68%		24-136%
4165-60-0	Nitrobenzene-d5	71%		21-122%
321-60-8	2-Fluorobiphenyl	70%		30-117%
1718-51-0	Terphenyl-d14	75%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown acid	.87	410	ug/kg	J
	system artifact	1.34	230	ug/kg	J
	system artifact/aldol-condensation	1.48	5800	ug/kg	J
	unknown	2.01	140	ug/kg	J
	C3 alkyl benzene	2.06	370	ug/kg	J
	unknown	2.22	1300	ug/kg	J
	unknown	2.28	130	ug/kg	J
	alkane	6.32	1200	ug/kg	J
	alkane	7.14	720	ug/kg	J
	alkane	7.92	190	ug/kg	J
	alkane	9.44	140	ug/kg	J
57-10-3	n-Hexadecanoic acid	10.46	240	ug/kg	JN
10544-50-0	Cyclic octaatomic sulfur	10.92	490	ug/kg	JN
	alkane	11.30	150	ug/kg	J
	unknown	11.64	210	ug/kg	J
	unknown	12.56	140	ug/kg	J
	Total TIC, Semi-Volatile		5830	ug/kg	J

ND = Not detected MDL - Method Detection Limit

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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

Page 1 of 1

Client Sample ID: SB-1_0-2
Lab Sample ID: JB28725-2
Matrix: SO - Soil

Date Sampled: 02/11/13
Date Received: 02/13/13
Percent Solids: 93.8

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum	10000	53	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Antimony	< 2.1	2.1	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Arsenic	3.1	2.1	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Barium	80.5	21	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Beryllium	0.42	0.21	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Cadmium	< 0.53	0.53	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Calcium	14500	530	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Chromium	13.8	1.1	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Cobalt	< 5.3	5.3	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Copper	40.0	2.6	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Iron	13600	53	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Lead	50.3	2.1	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Magnesium	4000	530	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Manganese	356	1.6	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Mercury	0.44	0.033	mg/kg	1	02/26/13	02/26/13	CS	SW846 7471B ¹	SW846 7471B ⁴
Nickel	14.4	4.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Potassium	3950	1100	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Selenium	< 2.1	2.1	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Silver	< 0.53	0.53	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Sodium	< 1100	1100	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Thallium	< 1.1	1.1	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Vanadium	19.6	5.3	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Zinc	73.1	2.1	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³

(1) Instrument QC Batch: MA30565

(2) Instrument QC Batch: MA30572

(3) Prep QC Batch: MP69993

(4) Prep QC Batch: MP70016

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	SB-2_0-2	Date Sampled:	02/11/13
Lab Sample ID:	JB28725-3	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	92.1
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A191891.D	1	02/21/13	OTR	n/a	n/a	VA7223
Run #2							

	Initial Weight
Run #1	4.2 g
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	51.1	13	2.2	ug/kg	J
71-43-2	Benzene	0.44	1.3	0.15	ug/kg	
74-97-5	Bromochloromethane	ND	6.5	0.34	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	0.14	ug/kg	
75-25-2	Bromoform	ND	6.5	0.20	ug/kg	
74-83-9	Bromomethane	ND	6.5	0.35	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	6.5	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.5	0.17	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	0.14	ug/kg	
75-00-3	Chloroethane	ND	6.5	0.29	ug/kg	
67-66-3	Chloroform	ND	6.5	0.11	ug/kg	
74-87-3	Chloromethane	ND	6.5	0.24	ug/kg	
110-82-7	Cyclohexane	ND	6.5	0.16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	1.2	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	0.21	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.5	0.24	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.5	0.24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.5	0.23	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.5	0.29	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	0.18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.17	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.5	0.33	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.5	0.24	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.5	0.31	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	0.20	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	0.20	ug/kg	
123-91-1	1,4-Dioxane	ND	160	77	ug/kg	
100-41-4	Ethylbenzene	0.58	1.3	0.34	ug/kg	J
76-13-1	Freon 113	ND	6.5	0.56	ug/kg	

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Report of Analysis

Page 2 of 2

Client Sample ID:	SB-2_0-2	Date Sampled:	02/11/13
Lab Sample ID:	JB28725-3	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	92.1
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	6.5	0.80	ug/kg	
98-82-8	Isopropylbenzene	ND	6.5	0.096	ug/kg	
79-20-9	Methyl Acetate	ND	6.5	3.4	ug/kg	
108-87-2	Methylcyclohexane	ND	6.5	0.22	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.30	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.5	0.97	ug/kg	
75-09-2	Methylene chloride	ND	6.5	1.6	ug/kg	
100-42-5	Styrene	ND	6.5	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	0.17	ug/kg	
127-18-4	Tetrachloroethene	3.2	6.5	0.22	ug/kg	J
108-88-3	Toluene	9.3	1.3	0.14	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.5	0.21	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.5	0.18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	0.22	ug/kg	
79-01-6	Trichloroethene	ND	6.5	0.22	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.5	0.39	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	0.19	ug/kg	
	m,p-Xylene	2.1	1.3	0.22	ug/kg	
95-47-6	o-Xylene	0.76	1.3	0.18	ug/kg	J
1330-20-7	Xylene (total)	2.8	1.3	0.18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
17060-07-0	1,2-Dichloroethane-D4	84%		70-122%
2037-26-5	Toluene-D8	105%		81-127%
460-00-4	4-Bromofluorobenzene	100%		66-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	21.40	7.1	ug/kg	J
	Total TIC, Volatile		7.1	ug/kg	J

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Report of Analysis

Page 1 of 3

Client Sample ID:	SB-2_0-2	Date Sampled:	02/11/13
Lab Sample ID:	JB28725-3	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	92.1
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E48120.D	1	02/25/13	OYA	02/22/13	OP63785	E3E2085
Run #2							

Run #	Initial Weight	Final Volume
Run #1	34.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	32	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	32	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	51	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	53	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	640	39	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	640	39	ug/kg	
95-48-7	2-Methylphenol	ND	64	36	ug/kg	
	3&4-Methylphenol	ND	64	40	ug/kg	
88-75-5	2-Nitrophenol	ND	160	34	ug/kg	
100-02-7	4-Nitrophenol	ND	320	54	ug/kg	
87-86-5	Pentachlorophenol	ND	320	54	ug/kg	
108-95-2	Phenol	ND	64	33	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	160	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	30	ug/kg	
83-32-9	Acenaphthene	51.6	32	9.2	ug/kg	
208-96-8	Acenaphthylene	68.2	32	10	ug/kg	
98-86-2	Acetophenone	ND	160	5.6	ug/kg	
120-12-7	Anthracene	150	32	11	ug/kg	
1912-24-9	Atrazine	ND	160	6.3	ug/kg	
56-55-3	Benzo(a)anthracene	669	32	10	ug/kg	
50-32-8	Benzo(a)pyrene	749	32	9.7	ug/kg	
205-99-2	Benzo(b)fluoranthene	712	32	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	543	32	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	591	32	12	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	64	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	64	18	ug/kg	
92-52-4	1,1'-Biphenyl	ND	64	3.7	ug/kg	
100-52-7	Benzaldehyde	ND	160	7.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	64	9.9	ug/kg	
106-47-8	4-Chloroaniline	ND	160	10	ug/kg	
86-74-8	Carbazole	43.7	64	15	ug/kg	J

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-2_0-2	Date Sampled:	02/11/13
Lab Sample ID:	JB28725-3	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	92.1
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	64	10	ug/kg	
218-01-9	Chrysene	725	32	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	64	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	64	9.6	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	64	9.5	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	64	9.6	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	64	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	64	12	ug/kg	
91-94-1	3,3' -Dichlorobenzidine	ND	160	8.1	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	172	32	11	ug/kg	
132-64-9	Dibenzofuran	18.8	64	9.5	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	64	7.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	64	16	ug/kg	
84-66-2	Diethyl phthalate	ND	64	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	64	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	200	64	28	ug/kg	
206-44-0	Fluoranthene	1150	32	14	ug/kg	
86-73-7	Fluorene	46.7	32	10	ug/kg	
118-74-1	Hexachlorobenzene	ND	64	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	32	8.9	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	320	32	ug/kg	
67-72-1	Hexachloroethane	ND	160	8.9	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	480	32	11	ug/kg	
78-59-1	Isophorone	ND	64	8.6	ug/kg	
91-57-6	2-Methylnaphthalene	83.5	64	18	ug/kg	
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	12	ug/kg	
91-20-3	Naphthalene	13.2	32	8.7	ug/kg	J
98-95-3	Nitrobenzene	ND	64	9.2	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	64	7.8	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	19	ug/kg	
85-01-8	Phenanthrene	495	32	14	ug/kg	
129-00-0	Pyrene	1080	32	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	160	9.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	48%		21-116%
4165-62-2	Phenol-d5	60%		19-117%

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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:	SB-2_0-2	Date Sampled:	02/11/13
Lab Sample ID:	JB28725-3	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	92.1
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	28%		24-136%
4165-60-0	Nitrobenzene-d5	66%		21-122%
321-60-8	2-Fluorobiphenyl	67%		30-117%
1718-51-0	Terphenyl-d14	77%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.34	540	ug/kg	J
	system artifact/aldol-condensation	1.49	14000	ug/kg	J
	C3 alkyl benzene	2.07	290	ug/kg	J
	unknown	2.22	1300	ug/kg	J
90-12-0	Naphthalene, 1-methyl-	5.57	450	ug/kg	JN
	unknown	5.94	320	ug/kg	J
	alkane	6.32	470	ug/kg	J
	Naphthalene dimethyl	6.39	270	ug/kg	J
	unknown	6.54	1400	ug/kg	J
	unknown	6.84	960	ug/kg	J
	unknown	6.92	300	ug/kg	J
	alkane	7.15	1300	ug/kg	J
	unknown	7.51	550	ug/kg	J
	unknown	7.57	580	ug/kg	J
	unknown	7.61	460	ug/kg	J
	unknown	7.68	780	ug/kg	J
	alkane	7.93	970	ug/kg	J
	alkane	8.30	330	ug/kg	J
	alkane	8.68	1200	ug/kg	J
	alkane	8.72	870	ug/kg	J
1610-18-0	Prometon	9.04	350	ug/kg	JN
	alkane	9.44	540	ug/kg	J
	alkane	10.06	910	ug/kg	J
314-40-9	Bromacil	10.54	350	ug/kg	JN
	alkane	10.70	520	ug/kg	J
	unknown PAH substance	14.09	290	ug/kg	J
	unknown	15.02	380	ug/kg	J
	Total TIC, Semi-Volatile		16140	ug/kg	J

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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 1

Client Sample ID:	SB-2_0-2	Date Sampled:	02/11/13
Lab Sample ID:	JB28725-3	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	92.1
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	11300	54	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Antimony	< 2.2	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Arsenic	5.2	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Barium	67.2	22	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Beryllium	0.41	0.22	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.54	0.54	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Calcium	38900	540	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Chromium	15.5	1.1	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Cobalt	8.3	5.4	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Copper	81.8	2.7	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Iron	19300	54	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Lead	181	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Magnesium	7050	540	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Manganese	264	1.6	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Mercury	0.078	0.034	mg/kg	1	02/26/13	02/26/13	CS	SW846 7471B ¹ SW846 7471B ⁴
Nickel	17.5	4.3	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Potassium	1480	1100	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Selenium	< 2.2	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Silver	< 0.54	0.54	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Sodium	< 1100	1100	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Thallium	< 1.1	1.1	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Vanadium	41.9	5.4	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³
Zinc	119	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ² SW846 3050B ³

(1) Instrument QC Batch: MA30565

(2) Instrument QC Batch: MA30572

(3) Prep QC Batch: MP69993

(4) Prep QC Batch: MP70016

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	SB-14_6-8	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-4	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C95916.D	1	02/19/13	JTP	n/a	n/a	V3C4254
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	2.1	ug/kg	
71-43-2	Benzene	ND	1.3	0.15	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	0.33	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	0.13	ug/kg	
75-25-2	Bromoform	ND	6.3	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.3	0.34	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	3.0	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	0.17	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	0.14	ug/kg	
75-00-3	Chloroethane	ND	6.3	0.29	ug/kg	
67-66-3	Chloroform	ND	6.3	0.10	ug/kg	
74-87-3	Chloromethane	ND	6.3	0.23	ug/kg	
110-82-7	Cyclohexane	ND	6.3	0.16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	1.1	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	0.21	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.3	0.24	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.3	0.24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.3	0.22	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.3	0.29	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.17	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.3	0.32	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.3	0.23	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.3	0.30	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	0.19	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.3	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.3	0.20	ug/kg	
123-91-1	1,4-Dioxane	ND	160	75	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.33	ug/kg	
76-13-1	Freon 113	ND	6.3	0.54	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:	SB-14_6-8	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-4	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	6.3	0.79	ug/kg	
98-82-8	Isopropylbenzene	ND	6.3	0.094	ug/kg	
79-20-9	Methyl Acetate	ND	6.3	3.3	ug/kg	
108-87-2	Methylcyclohexane	ND	6.3	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.30	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.3	0.95	ug/kg	
75-09-2	Methylene chloride	ND	6.3	1.6	ug/kg	
100-42-5	Styrene	ND	6.3	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	0.17	ug/kg	
127-18-4	Tetrachloroethene	1.2	6.3	0.22	ug/kg	J
108-88-3	Toluene	ND	1.3	0.13	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	0.21	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	0.18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	0.22	ug/kg	
79-01-6	Trichloroethene	ND	6.3	0.22	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	0.38	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	0.18	ug/kg	
	m,p-Xylene	ND	1.3	0.22	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.18	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
17060-07-0	1,2-Dichloroethane-D4	86%		70-122%
2037-26-5	Toluene-D8	94%		81-127%
460-00-4	4-Bromofluorobenzene	94%		66-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkene	16.07	8.5	ug/kg	J
	unknown	16.68	17	ug/kg	J
	unknown	16.74	13	ug/kg	J
	unknown	16.92	23	ug/kg	J
	unknown	16.98	17	ug/kg	J
	Naphthalene decahydro-methyl	17.14	31	ug/kg	J
	alkane	17.20	19	ug/kg	J
	alkene	17.57	17	ug/kg	J
	Naphthalene decahydro-dimethyl	17.66	15	ug/kg	J

ND = Not detected MDL - Method Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	SB-14_6-8	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-4	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	17.88	16	ug/kg	J
	alkene	17.97	56	ug/kg	J
	unknown	18.22	37	ug/kg	J
	alkene	18.55	22	ug/kg	J
	unknown	19.56	41	ug/kg	J
	unknown	19.85	72	ug/kg	J
	Total TIC, Volatile		404.5	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 1 of 3

Client Sample ID:	SB-14_6-8	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-4	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E48121.D	1	02/25/13	OYA	02/22/13	OP63785	E3E2085
Run #2							

Run #	Initial Weight	Final Volume
Run #1	33.5 g	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

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	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	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	36.5	34	9.8	ug/kg	
208-96-8	Acenaphthylene	16.5	34	11	ug/kg	J
98-86-2	Acetophenone	ND	170	6.0	ug/kg	
120-12-7	Anthracene	100	34	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.7	ug/kg	
56-55-3	Benzo(a)anthracene	296	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	288	34	10	ug/kg	
205-99-2	Benzo(b)fluoranthene	319	34	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	204	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	180	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	
92-52-4	1,1'-Biphenyl	ND	68	3.9	ug/kg	
100-52-7	Benzaldehyde	ND	170	7.8	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	36.9	68	16	ug/kg	J

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 3

Client Sample ID:	SB-14_6-8	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-4	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	68	11	ug/kg	
218-01-9	Chrysene	300	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	
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	65.6	34	12	ug/kg	
132-64-9	Dibenzofuran	26.8	68	10	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	68	7.5	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	43.2	68	12	ug/kg	J
117-81-7	bis(2-Ethylhexyl)phthalate	111	68	30	ug/kg	
206-44-0	Fluoranthene	588	34	15	ug/kg	
86-73-7	Fluorene	45.5	34	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	68	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	34	9.4	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	340	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.4	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	178	34	12	ug/kg	
78-59-1	Isophorone	ND	68	9.1	ug/kg	
91-57-6	2-Methylnaphthalene	60.5	68	19	ug/kg	J
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	40.2	34	9.3	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	322	34	15	ug/kg	
129-00-0	Pyrene	519	34	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%		21-116%
4165-62-2	Phenol-d5	52%		19-117%

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 3 of 3

Client Sample ID:	SB-14_6-8	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-4	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	58%		24-136%
4165-60-0	Nitrobenzene-d5	54%		21-122%
321-60-8	2-Fluorobiphenyl	57%		30-117%
1718-51-0	Terphenyl-d14	66%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.84	400	ug/kg	J
	system artifact	1.35	210	ug/kg	J
	system artifact/aldol-condensation	1.47	3600	ug/kg	J
	unknown	2.21	440	ug/kg	J
	unknown	2.27	630	ug/kg	J
	unknown	2.65	530	ug/kg	J
	unknown	5.32	200	ug/kg	J
	unknown	6.54	300	ug/kg	J
	alkane	7.14	190	ug/kg	J
	alkane	7.93	210	ug/kg	J
119-61-9	Benzophenone	8.18	290	ug/kg	JN
	alkane	9.44	170	ug/kg	J
	Phenanthrene methyl	10.05	140	ug/kg	J
	Phenanthrene methyl	10.09	230	ug/kg	J
	unknown acid	10.24	6000	ug/kg	J
57-10-3	n-Hexadecanoic acid	10.49	1100	ug/kg	JN
	unknown acid	11.31	20000	ug/kg	J
	unknown acid	11.35	11000	ug/kg	J
	unknown acid	11.52	1400	ug/kg	J
	unknown acid	11.54	1000	ug/kg	J
57-11-4	Octadecanoic acid	11.65	290	ug/kg	JN
	unknown	12.28	310	ug/kg	J
	unknown acid	12.38	160	ug/kg	J
	unknown	12.49	160	ug/kg	J
	unknown	12.84	150	ug/kg	J
	unknown acid	13.13	150	ug/kg	J
	unknown	14.79	320	ug/kg	J
	unknown	15.02	200	ug/kg	J
	Total TIC, Semi-Volatile		45570	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 1 of 1

Client Sample ID: SB-14_6-8

Lab Sample ID: JB28725-4

Matrix: SO - Soil

Date Sampled: 02/12/13

Date Received: 02/13/13

Percent Solids: 88.0

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum	13000	55	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Antimony	< 2.2	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Arsenic	4.2	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Barium	85.6	22	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Beryllium	0.53	0.22	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Cadmium	0.82	0.55	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Calcium	4800	550	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Chromium	27.9	1.1	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Cobalt	6.5	5.5	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Copper	47.8	2.8	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Iron	17600	55	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Lead	247	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Magnesium	4740	550	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Manganese	324	1.7	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Mercury	0.085	0.037	mg/kg	1	02/26/13	02/26/13	CS	SW846 7471B ¹	SW846 7471B ⁴
Nickel	27.6	4.4	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Potassium	2800	1100	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Selenium	< 2.2	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Silver	< 0.55	0.55	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Sodium	< 1100	1100	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Thallium	< 1.1	1.1	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Vanadium	34.9	5.5	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Zinc	164	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³

(1) Instrument QC Batch: MA30565

(2) Instrument QC Batch: MA30572

(3) Prep QC Batch: MP69993

(4) Prep QC Batch: MP70016

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-14_6-8	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-4R	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8081B SW846 3546		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G89515.D	1	03/13/13	DS	02/22/13	OP63827	G1G2937
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.74	0.34	ug/kg	
319-84-6	alpha-BHC	ND	0.74	0.22	ug/kg	
319-85-7	beta-BHC	ND	0.74	0.46	ug/kg	
319-86-8	delta-BHC	ND	0.74	0.37	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.74	0.36	ug/kg	
5103-71-9	alpha-Chlordane	12.6	0.74	0.27	ug/kg	
5103-74-2	gamma-Chlordane ^a	8.4	0.74	0.51	ug/kg	
60-57-1	Dieldrin ^a	1.4	0.74	0.29	ug/kg	
72-54-8	4,4' -DDD	12.3	0.74	0.41	ug/kg	
72-55-9	4,4' -DDE	2.7	0.74	0.30	ug/kg	
50-29-3	4,4' -DDT ^a	5.9	0.74	0.37	ug/kg	
72-20-8	Endrin	ND	0.74	0.24	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.74	0.32	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.74	0.39	ug/kg	
959-98-8	Endosulfan-I	ND	0.74	0.28	ug/kg	
33213-65-9	Endosulfan-II	ND	0.74	0.44	ug/kg	
76-44-8	Heptachlor	ND	0.74	0.36	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.74	0.28	ug/kg	
72-43-5	Methoxychlor	ND	1.5	0.73	ug/kg	
53494-70-5	Endrin ketone	ND	0.74	0.30	ug/kg	
8001-35-2	Toxaphene	ND	19	9.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	25%		23-137%
877-09-8	Tetrachloro-m-xylene	34%		23-137%
2051-24-3	Decachlorobiphenyl	23%		22-160%
2051-24-3	Decachlorobiphenyl	28%		22-160%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	SB-14_6-8	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-4R	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8082A SW846 3546		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G77906.D	1	02/25/13	JR	02/22/13	OP63826	G2G2597
Run #2							

	Initial Weight	Final Volume
Run #1	15.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	38	9.8	ug/kg	
11104-28-2	Aroclor 1221	ND	38	23	ug/kg	
11141-16-5	Aroclor 1232	ND	38	19	ug/kg	
53469-21-9	Aroclor 1242	ND	38	12	ug/kg	
12672-29-6	Aroclor 1248	ND	38	11	ug/kg	
11097-69-1	Aroclor 1254	ND	38	18	ug/kg	
11096-82-5	Aroclor 1260	ND	38	12	ug/kg	
11100-14-4	Aroclor 1268	ND	38	11	ug/kg	
37324-23-5	Aroclor 1262	ND	38	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		22-141%
877-09-8	Tetrachloro-m-xylene	52%		22-141%
2051-24-3	Decachlorobiphenyl	94%		18-163%
2051-24-3	Decachlorobiphenyl	75%		18-163%

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Report of Analysis

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Client Sample ID:	SB-13_7-9	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-5	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	85.6
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	E200129.D	1	02/20/13	OTR	n/a	n/a	VE8796
Run #2							

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

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	6700	1100	ug/kg	
71-43-2	Benzene	1580	670	80	ug/kg	
74-97-5	Bromochloromethane	ND	3300	180	ug/kg	
75-27-4	Bromodichloromethane	ND	3300	70	ug/kg	
75-25-2	Bromoform	ND	3300	100	ug/kg	
74-83-9	Bromomethane	ND	3300	180	ug/kg	
78-93-3	2-Butanone (MEK)	ND	6700	1600	ug/kg	
75-15-0	Carbon disulfide	ND	3300	78	ug/kg	
56-23-5	Carbon tetrachloride	ND	3300	89	ug/kg	
108-90-7	Chlorobenzene	ND	3300	72	ug/kg	
75-00-3	Chloroethane	ND	3300	150	ug/kg	
67-66-3	Chloroform	ND	3300	55	ug/kg	
74-87-3	Chloromethane	ND	3300	120	ug/kg	
110-82-7	Cyclohexane	2650	3300	83	ug/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	6700	590	ug/kg	
124-48-1	Dibromochloromethane	ND	3300	110	ug/kg	
106-93-4	1,2-Dibromoethane	ND	670	85	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	3300	130	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	3300	120	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	3300	120	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	3300	150	ug/kg	
75-34-3	1,1-Dichloroethane	ND	3300	92	ug/kg	
107-06-2	1,2-Dichloroethane	ND	670	90	ug/kg	
75-35-4	1,1-Dichloroethene	ND	3300	170	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	3300	120	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	3300	160	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3300	100	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3300	93	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3300	100	ug/kg	
123-91-1	1,4-Dioxane	ND	84000	40000	ug/kg	
100-41-4	Ethylbenzene	23500	670	180	ug/kg	
76-13-1	Freon 113	ND	3300	290	ug/kg	

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-13_7-9	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-5	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	85.6
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	3300	420	ug/kg	
98-82-8	Isopropylbenzene	6600	3300	50	ug/kg	
79-20-9	Methyl Acetate	ND	3300	1700	ug/kg	
108-87-2	Methylcyclohexane	16900	3300	110	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	670	160	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	3300	500	ug/kg	
75-09-2	Methylene chloride	ND	3300	850	ug/kg	
100-42-5	Styrene	ND	3300	61	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3300	88	ug/kg	
127-18-4	Tetrachloroethene	ND	3300	110	ug/kg	
108-88-3	Toluene	416	670	70	ug/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	3300	110	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	3300	93	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3300	71	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3300	120	ug/kg	
79-01-6	Trichloroethene	ND	3300	120	ug/kg	
75-69-4	Trichlorofluoromethane	ND	3300	200	ug/kg	
75-01-4	Vinyl chloride	ND	3300	96	ug/kg	
	m,p-Xylene	41900	670	120	ug/kg	
95-47-6	o-Xylene	11000	670	93	ug/kg	
1330-20-7	Xylene (total)	52900	670	93	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		70-130%
17060-07-0	1,2-Dichloroethane-D4	77%		70-122%
2037-26-5	Toluene-D8	89%		81-127%
460-00-4	4-Bromofluorobenzene	86%		66-132%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	alkane	11.40	30000	ug/kg	J
	alkane	11.85	62000	ug/kg	J
	alkane	12.00	110000	ug/kg	J
	alkane	12.17	49000	ug/kg	J
	alkane	13.73	39000	ug/kg	J
	alkane	13.86	34000	ug/kg	J
	C3 alkyl benzene	15.74	24000	ug/kg	J
108-67-8	Benzene, 1,3,5-trimethyl-	15.83	23000	ug/kg	JN
95-63-6	Benzene, 1,2,4-trimethyl-	16.26	75000	ug/kg	JN

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Report of Analysis

Page 3 of 3

Client Sample ID:	SB-13_7-9	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-5	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	85.6
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	C4 alkyl benzene	16.99	29000	ug/kg	J
	C4 alkyl benzene	17.43	31000	ug/kg	J
	C4 alkyl benzene	17.93	23000	ug/kg	J
	1H-indene-dihydro-methyl	18.28	23000	ug/kg	J
	1H-indene-dihydro-methyl	18.47	27000	ug/kg	J
	1H-Indene-dihydro-dimethyl	18.79	25000	ug/kg	J
	Total TIC, Volatile		604000	ug/kg	J

(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:	SB-13_7-9	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-5	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	85.6
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E48122.D	1	02/25/13	OYA	02/22/13	OP63785	E3E2085
Run #2	3E48142.D	40	02/26/13	OYA	02/22/13	OP63785	E3E2086

	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2	30.8 g	1.0 ml

ABN TCL List (SOM0 1.1)

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	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	39	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	3560	38	11	ug/kg	
208-96-8	Acenaphthylene	ND	38	12	ug/kg	
98-86-2	Acetophenone	ND	190	6.7	ug/kg	
120-12-7	Anthracene	ND	38	13	ug/kg	
1912-24-9	Atrazine	ND	190	7.5	ug/kg	
56-55-3	Benzo(a)anthracene	368	38	12	ug/kg	
50-32-8	Benzo(a)pyrene	278	38	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	282	38	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	181	38	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	139	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	
92-52-4	1,1'-Biphenyl	2050	76	4.4	ug/kg	
100-52-7	Benzaldehyde	ND	190	8.7	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	

ND = Not detected MDL - Method Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID:	SB-13_7-9	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-5	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	85.6
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	76	12	ug/kg	
218-01-9	Chrysene	423	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	
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	52.2	38	13	ug/kg	
132-64-9	Dibenzofuran	2310	76	11	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	280	76	33	ug/kg	
206-44-0	Fluoranthene	903	38	17	ug/kg	
86-73-7	Fluorene	3010	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	380	39	ug/kg	
67-72-1	Hexachloroethane	ND	190	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	159	38	13	ug/kg	
78-59-1	Isophorone	ND	76	10	ug/kg	
91-57-6	2-Methylnaphthalene	77700 ^a	3000	850	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	32600 ^a	1500	410	ug/kg	
98-95-3	Nitrobenzene	ND	76	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	76	9.3	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	23	ug/kg	
85-01-8	Phenanthrene	11200 ^a	1500	690	ug/kg	
129-00-0	Pyrene	1570	38	15	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	67%	71%	21-116%
4165-62-2	Phenol-d5	59%	64%	19-117%

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 3 of 3

Client Sample ID:	SB-13_7-9	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-5	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	85.6
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	100%	94%	24-136%
4165-60-0	Nitrobenzene-d5	75%	112%	21-122%
321-60-8	2-Fluorobiphenyl	83%	105%	30-117%
1718-51-0	Terphenyl-d14	70%	99%	31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
496-11-7	C3 alkyl benzene	2.40	7200	ug/kg	J
	C3 alkyl benzene	2.47	4200	ug/kg	J
	C3 alkyl benzene	2.71	13000	ug/kg	J
	C3 alkyl benzene	2.95	7900	ug/kg	J
	Indane	3.06	4800	ug/kg	JN
	C4 alkyl benzene	3.22	7000	ug/kg	J
	C4 alkyl benzene	3.30	7700	ug/kg	J
	C4 alkyl benzene	3.36	2500	ug/kg	J
	C4 alkyl benzene	3.48	7800	ug/kg	J
	unknown	5.93	3600	ug/kg	J
	unknown	6.06	1800	ug/kg	J
	unknown	6.40	4900	ug/kg	J
	Naphthalene dimethyl	6.53	5800	ug/kg	J
	Naphthalene dimethyl	6.70	11000	ug/kg	J
	Naphthalene dimethyl	6.82	1900	ug/kg	J
	unknown	6.98	2400	ug/kg	J
	Naphthalene trimethyl	7.34	3400	ug/kg	J
	Naphthalene trimethyl	7.56	1700	ug/kg	J
	Naphthalene trimethyl	7.70	3800	ug/kg	J
	Naphthalene trimethyl	7.82	2800	ug/kg	J
	alkane	8.44	4200	ug/kg	J
	alkane	8.87	6000	ug/kg	J
	alkane	9.57	2600	ug/kg	J
112-63-0	9,12-Octadecadienoic acid (Z,Z)-, methyl	11.36	8300	ug/kg	JN
	unknown acid	11.40	6000	ug/kg	J
	Total TIC, Semi-Volatile		132300	ug/kg	J

(a) Result is from Run# 2

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 1

Client Sample ID: SB-13_7-9

Lab Sample ID: JB28725-5

Matrix: SO - Soil

Date Sampled: 02/12/13

Date Received: 02/13/13

Percent Solids: 85.6

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	13700	61	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Antimony	< 2.4	2.4	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Arsenic	3.0	2.4	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Barium	84.5	24	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Beryllium	0.62	0.24	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Cadmium	< 0.61	0.61	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Calcium	2660	610	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Chromium	24.9	1.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Cobalt	7.2	6.1	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Copper	29.3	3.0	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Iron	20700	61	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Lead	27.0	2.4	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Magnesium	4140	610	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Manganese	757	1.8	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Mercury	0.053	0.035	mg/kg	1	02/26/13	02/26/13	CS	SW846 7471B ¹
Nickel	20.9	4.9	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Potassium	4240	1200	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Selenium	< 2.4	2.4	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Silver	< 0.61	0.61	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Sodium	1780	1200	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Thallium	< 1.2	1.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Vanadium	30.1	6.1	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²
Zinc	49.9	2.4	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²

(1) Instrument QC Batch: MA30565

(2) Instrument QC Batch: MA30572

(3) Prep QC Batch: MP69993

(4) Prep QC Batch: MP70016

RL = Reporting Limit

Report of Analysis

Page 1 of 3

Client Sample ID:	SB-12_10-12	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-6	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	80.7
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E200130.D	1	02/20/13	OTR	n/a	n/a	VE8796
Run #2							

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

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1500	250	ug/kg	
71-43-2	Benzene	7480	150	18	ug/kg	
74-97-5	Bromochloromethane	ND	740	39	ug/kg	
75-27-4	Bromodichloromethane	ND	740	16	ug/kg	
75-25-2	Bromoform	ND	740	22	ug/kg	
74-83-9	Bromomethane	ND	740	40	ug/kg	
78-93-3	2-Butanone (MEK)	ND	1500	350	ug/kg	
75-15-0	Carbon disulfide	ND	740	17	ug/kg	
56-23-5	Carbon tetrachloride	ND	740	20	ug/kg	
108-90-7	Chlorobenzene	ND	740	16	ug/kg	
75-00-3	Chloroethane	ND	740	34	ug/kg	
67-66-3	Chloroform	ND	740	12	ug/kg	
74-87-3	Chloromethane	ND	740	27	ug/kg	
110-82-7	Cyclohexane	6290	740	18	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1500	130	ug/kg	
124-48-1	Dibromochloromethane	ND	740	24	ug/kg	
106-93-4	1,2-Dibromoethane	ND	150	19	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	740	28	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	740	28	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	740	26	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	740	34	ug/kg	
75-34-3	1,1-Dichloroethane	ND	740	20	ug/kg	
107-06-2	1,2-Dichloroethane	ND	150	20	ug/kg	
75-35-4	1,1-Dichloroethene	ND	740	38	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	740	27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	740	35	ug/kg	
78-87-5	1,2-Dichloropropane	ND	740	23	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	740	21	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	740	23	ug/kg	
123-91-1	1,4-Dioxane	ND	18000	8800	ug/kg	
100-41-4	Ethylbenzene	12500	150	39	ug/kg	
76-13-1	Freon 113	ND	740	64	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:	SB-12_10-12	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-6	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	80.7
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	740	92	ug/kg	
98-82-8	Isopropylbenzene	5150	740	11	ug/kg	
79-20-9	Methyl Acetate	ND	740	380	ug/kg	
108-87-2	Methylcyclohexane	21700	740	25	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	150	35	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	740	110	ug/kg	
75-09-2	Methylene chloride	ND	740	190	ug/kg	
100-42-5	Styrene	ND	740	14	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	740	20	ug/kg	
127-18-4	Tetrachloroethene	ND	740	25	ug/kg	
108-88-3	Toluene	617	150	16	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	740	24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	740	21	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	740	16	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	740	26	ug/kg	
79-01-6	Trichloroethene	ND	740	26	ug/kg	
75-69-4	Trichlorofluoromethane	ND	740	44	ug/kg	
75-01-4	Vinyl chloride	ND	740	21	ug/kg	
	m,p-Xylene	7220	150	26	ug/kg	
95-47-6	o-Xylene	386	150	21	ug/kg	
1330-20-7	Xylene (total)	7600	150	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		70-130%
17060-07-0	1,2-Dichloroethane-D4	81%		70-122%
2037-26-5	Toluene-D8	97%		81-127%
460-00-4	4-Bromofluorobenzene	90%		66-132%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	alkane	7.78	17000	ug/kg	J
96-37-7	Cyclopentane, methyl-	9.33	10000	ug/kg	JN
142-82-5	alkane-Heptane	10.68	13000	ug/kg	JN
	alkane	11.85	21000	ug/kg	J
	alkane	12.00	38000	ug/kg	J
	alkane	12.16	15000	ug/kg	J
	alkane	13.73	13000	ug/kg	J
	alkane	13.86	12000	ug/kg	J
496-11-7	Indane	17.03	18000	ug/kg	JN

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Report of Analysis

Page 3 of 3

Client Sample ID:	SB-12_10-12	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-6	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	80.7
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	C4 alkyl benzene	17.43	14000	ug/kg	J
	C4 alkyl benzene	17.87	9400	ug/kg	J
	1H-indene-dihydro-methyl	18.28	12000	ug/kg	J
	1H-indene-dihydro-methyl	18.47	14000	ug/kg	J
	dihydro-dimethylindene + C5 alkylbenzene	18.79	11000	ug/kg	J
	Naphthalene methyl	20.60	11000	ug/kg	J
	Total TIC, Volatile		228400	ug/kg	J

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Report of Analysis

Page 1 of 3

Client Sample ID:	SB-12_10-12	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-6	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	80.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E48123.D	1	02/25/13	OYA	02/22/13	OP63785	E3E2085
Run #2	3E48143.D	20	02/26/13	OYA	02/22/13	OP63785	E3E2086

	Initial Weight	Final Volume
Run #1	32.2 g	1.0 ml
Run #2	32.2 g	1.0 ml

ABN TCL List (SOM0 1.1)

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	38	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	380	65	ug/kg	
87-86-5	Pentachlorophenol	ND	380	66	ug/kg	
108-95-2	Phenol	ND	77	40	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	40	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	1340	38	11	ug/kg	
208-96-8	Acenaphthylene	693	38	12	ug/kg	
98-86-2	Acetophenone	ND	190	6.8	ug/kg	
120-12-7	Anthracene	2720	38	13	ug/kg	
1912-24-9	Atrazine	ND	190	7.6	ug/kg	
56-55-3	Benzo(a)anthracene	8120 ^a	770	250	ug/kg	
50-32-8	Benzo(a)pyrene	8560 ^a	770	230	ug/kg	
205-99-2	Benzo(b)fluoranthene	7300 ^a	770	260	ug/kg	
191-24-2	Benzo(g,h,i)perylene	5080 ^a	770	290	ug/kg	
207-08-9	Benzo(k)fluoranthene	6810 ^a	770	290	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	
92-52-4	1,1'-Biphenyl	951	77	4.5	ug/kg	
100-52-7	Benzaldehyde	ND	190	8.9	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	600	77	18	ug/kg	

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-12_10-12	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-6	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	80.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	77	12	ug/kg	
218-01-9	Chrysene	8570 ^a	770	260	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	
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	2230	38	13	ug/kg	
132-64-9	Dibenzofuran	872	77	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	77	8.5	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	182	77	34	ug/kg	
206-44-0	Fluoranthene	13300 ^a	770	340	ug/kg	
86-73-7	Fluorene	2270	38	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	77	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	380	39	ug/kg	
67-72-1	Hexachloroethane	ND	190	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	4770 ^a	770	270	ug/kg	
78-59-1	Isophorone	ND	77	10	ug/kg	
91-57-6	2-Methylnaphthalene	24800 ^a	1500	430	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	11000 ^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	10300 ^a	770	350	ug/kg	
129-00-0	Pyrene	11400 ^a	770	300	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%	29%	21-116%
4165-62-2	Phenol-d5	38%	35%	19-117%

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Report of Analysis

Page 3 of 3

Client Sample ID:	SB-12_10-12	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-6	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	80.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	65%	56%	24-136%
4165-60-0	Nitrobenzene-d5	56%	51%	21-122%
321-60-8	2-Fluorobiphenyl	58%	66%	30-117%
1718-51-0	Terphenyl-d14	65%	73%	31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
496-11-7	C3 alkyl benzene	2.66	2000	ug/kg	J
	C3 alkyl benzene	2.92	3800	ug/kg	J
	Indane	3.04	3000	ug/kg	JN
	C4 alkyl benzene	3.17	2300	ug/kg	J
	unknown	3.22	2000	ug/kg	J
	C4 alkyl benzene	3.43	2400	ug/kg	J
	unknown	5.86	3500	ug/kg	J
	unknown	6.33	7300	ug/kg	J
	Naphthalene dimethyl	6.45	11000	ug/kg	J
	Naphthalene dimethyl	6.58	12000	ug/kg	J
	Naphthalene dimethyl	6.61	10000	ug/kg	J
	Naphthalene dimethyl	6.73	4500	ug/kg	J
	alkane	6.89	5900	ug/kg	J
	1,1'-Biphenyl, -methyl-	7.16	3500	ug/kg	J
	Naphthalene trimethyl	7.26	6900	ug/kg	J
	Naphthalene trimethyl	7.43	3900	ug/kg	J
	Naphthalene trimethyl	7.48	4900	ug/kg	J
	Naphthalene trimethyl	7.60	5400	ug/kg	J
	Naphthalene trimethyl	7.62	3900	ug/kg	J
	Naphthalene trimethyl	7.75	7000	ug/kg	J
	unknown	7.97	3000	ug/kg	J
	Dimethylbiphenyl	8.01	4100	ug/kg	J
	1,1'-Biphenyl, -methyl-	8.07	2100	ug/kg	J
	alkane	8.78	2700	ug/kg	J
	unknown acid	11.33	2600	ug/kg	J
	Total TIC, Semi-Volatile		119700	ug/kg	J

(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: SB-12_10-12**Lab Sample ID:** JB28725-6**Matrix:** SO - Soil**Date Sampled:** 02/12/13**Date Received:** 02/13/13**Percent Solids:** 80.7**Project:** Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum	14500	49	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Antimony	< 2.0	2.0	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Arsenic	5.3	2.0	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Barium	114	20	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Beryllium	0.56	0.20	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Cadmium	0.68	0.49	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Calcium	5470	490	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Chromium	34.0	0.98	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Cobalt	7.7	4.9	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Copper	50.2	2.5	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Iron	25300	49	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Lead	195	2.0	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Magnesium	6960	490	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Manganese	281	1.5	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Mercury	0.40	0.037	mg/kg	1	02/26/13	02/26/13	CS	SW846 7471B ¹	SW846 7471B ⁴
Nickel	25.9	3.9	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Potassium	4630	980	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Selenium	< 2.0	2.0	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Silver	0.80	0.49	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Sodium	1020	980	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Thallium	< 0.98	0.98	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Vanadium	40.0	4.9	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Zinc	199	2.0	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³

(1) Instrument QC Batch: MA30565

(2) Instrument QC Batch: MA30572

(3) Prep QC Batch: MP69993

(4) Prep QC Batch: MP70016

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	SB-12_14-16	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-7	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	85.0
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D205791.D	1	02/23/13	ET	n/a	n/a	VD8395
Run #2							

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

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	680	110	ug/kg	
71-43-2	Benzene	438	68	8.1	ug/kg	
74-97-5	Bromochloromethane	ND	340	18	ug/kg	
75-27-4	Bromodichloromethane	ND	340	7.1	ug/kg	
75-25-2	Bromoform	ND	340	10	ug/kg	
74-83-9	Bromomethane	ND	340	18	ug/kg	
78-93-3	2-Butanone (MEK)	ND	680	160	ug/kg	
75-15-0	Carbon disulfide	ND	340	7.9	ug/kg	
56-23-5	Carbon tetrachloride	ND	340	9.0	ug/kg	
108-90-7	Chlorobenzene	ND	340	7.3	ug/kg	
75-00-3	Chloroethane	ND	340	15	ug/kg	
67-66-3	Chloroform	ND	340	5.6	ug/kg	
74-87-3	Chloromethane	ND	340	13	ug/kg	
110-82-7	Cyclohexane	577	340	8.4	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	680	60	ug/kg	
124-48-1	Dibromochloromethane	ND	340	11	ug/kg	
106-93-4	1,2-Dibromoethane	ND	68	8.6	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	340	13	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	340	13	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	340	12	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	340	15	ug/kg	
75-34-3	1,1-Dichloroethane	ND	340	9.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	68	9.1	ug/kg	
75-35-4	1,1-Dichloroethene	ND	340	17	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	340	12	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	340	16	ug/kg	
78-87-5	1,2-Dichloropropane	ND	340	10	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	340	9.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	340	10	ug/kg	
123-91-1	1,4-Dioxane	ND	8500	4000	ug/kg	
100-41-4	Ethylbenzene	283	68	18	ug/kg	
76-13-1	Freon 113	ND	340	29	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:	SB-12_14-16	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-7	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	85.0
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	340	42	ug/kg	
98-82-8	Isopropylbenzene	1180	340	5.0	ug/kg	
79-20-9	Methyl Acetate	ND	340	180	ug/kg	
108-87-2	Methylcyclohexane	3190	340	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	68	16	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	340	51	ug/kg	
75-09-2	Methylene chloride	ND	340	86	ug/kg	
100-42-5	Styrene	ND	340	6.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	340	8.9	ug/kg	
127-18-4	Tetrachloroethene	ND	340	12	ug/kg	
108-88-3	Toluene	38.8	68	7.1	ug/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	340	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	340	9.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	340	7.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	340	12	ug/kg	
79-01-6	Trichloroethene	ND	340	12	ug/kg	
75-69-4	Trichlorofluoromethane	ND	340	20	ug/kg	
75-01-4	Vinyl chloride	ND	340	9.7	ug/kg	
	m,p-Xylene	150	68	12	ug/kg	
95-47-6	o-Xylene	29.8	68	9.4	ug/kg	J
1330-20-7	Xylene (total)	180	68	9.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
17060-07-0	1,2-Dichloroethane-D4	101%		70-122%
2037-26-5	Toluene-D8	107%		81-127%
460-00-4	4-Bromofluorobenzene	100%		66-132%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	cyclohexane alkyl	16.90	11000	ug/kg	J
	Indane + C4 alkyl benzene	17.40	11000	ug/kg	J
	Naphthalene decahydro	17.55	13000	ug/kg	J
	C4 alkyl benzene	17.82	18000	ug/kg	J
	C4 alkyl benzene	18.26	13000	ug/kg	J
	Naphthalene decahydro-methyl	18.48	13000	ug/kg	J
	1H-indene-dihydro-methyl	18.68	9100	ug/kg	J
	C4 alkyl benzene	18.84	12000	ug/kg	J
	1H-indene-dihydro-methyl	18.89	20000	ug/kg	J

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Report of Analysis

Page 3 of 3

Client Sample ID: SB-12_14-16	Date Sampled: 02/12/13
Lab Sample ID: JB28725-7	Date Received: 02/13/13
Matrix: SO - Soil	Percent Solids: 85.0
Method: SW846 8260B	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

VOA TCL List (SOM0 1.1)

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	dihydro-dimethylindene + C5 alkylbenzene	19.21	20000	ug/kg	J
	1H-Indene-dihydro-dimethyl	19.30	9300	ug/kg	J
	C5 alkyl benzene	19.36	10000	ug/kg	J
	1H-Indene-dihydro-dimethyl	19.42	12000	ug/kg	J
	Naphthalene decahydro-methyl	19.74	13000	ug/kg	J
	unknown	20.33	9200	ug/kg	J
	Total TIC, Volatile		193600	ug/kg	J

(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:	SB-12_14-16	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-7	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	85.0
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E48034.D	1	02/22/13	OYA	02/22/13	OP63785	E3E2082
Run #2	3E48099.D	4	02/24/13	OYA	02/22/13	OP63785	E3E2084

	Initial Weight	Final Volume
Run #1	32.8 g	1.0 ml
Run #2	32.8 g	1.0 ml

ABN TCL List (SOM0 1.1)

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	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	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	61	ug/kg	
108-95-2	Phenol	ND	72	38	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	37	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	606	36	10	ug/kg	
208-96-8	Acenaphthylene	ND	36	11	ug/kg	
98-86-2	Acetophenone	ND	180	6.3	ug/kg	
120-12-7	Anthracene	141	36	13	ug/kg	
1912-24-9	Atrazine	ND	180	7.1	ug/kg	
56-55-3	Benzo(a)anthracene	40.2	36	12	ug/kg	
50-32-8	Benzo(a)pyrene	28.3	36	11	ug/kg	J
205-99-2	Benzo(b)fluoranthene	29.6	36	12	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	17.2	36	13	ug/kg	J
207-08-9	Benzo(k)fluoranthene	16.6	36	13	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	72	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	72	21	ug/kg	
92-52-4	1,1'-Biphenyl	ND	72	4.2	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.2	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	ND	72	17	ug/kg	

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-12_14-16	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-7	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	85.0
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	72	11	ug/kg	
218-01-9	Chrysene	45.4	36	12	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	
108-60-1	bis(2-Chloroisopropyl)ether	ND	72	11	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	72	11	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	ND	36	12	ug/kg	
132-64-9	Dibenzofuran	592	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	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	78.1	72	32	ug/kg	
206-44-0	Fluoranthene	106	36	16	ug/kg	
86-73-7	Fluorene	1340	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	360	37	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	17.4	36	12	ug/kg	J
78-59-1	Isophorone	ND	72	9.6	ug/kg	
91-57-6	2-Methylnaphthalene	6750 ^a	290	80	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	295	36	9.8	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	21	ug/kg	
85-01-8	Phenanthrene	2570	36	16	ug/kg	
129-00-0	Pyrene	226	36	14	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	24%	27%	21-116%
4165-62-2	Phenol-d5	34%	37%	19-117%

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Report of Analysis

Page 3 of 3

Client Sample ID: SB-12_14-16	Date Sampled: 02/12/13
Lab Sample ID: JB28725-7	Date Received: 02/13/13
Matrix: SO - Soil	Percent Solids: 85.0
Method: SW846 8270D SW846 3550C	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	62%	53%	24-136%
4165-60-0	Nitrobenzene-d5	57%	58%	21-122%
321-60-8	2-Fluorobiphenyl	56%	66%	30-117%
1718-51-0	Terphenyl-d14	61%	76%	31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
90-12-0	alkane	4.73	3900	ug/kg	J
	alkane	5.28	3100	ug/kg	J
	Naphthalene, 1-methyl-	5.64	5700	ug/kg	JN
	unknown	5.70	2600	ug/kg	J
	Cyclohexane alkyl	5.89	4500	ug/kg	J
	alkane	6.20	6700	ug/kg	J
	unknown	6.36	5200	ug/kg	J
	Naphthalene dimethyl	6.47	9700	ug/kg	J
	Naphthalene dimethyl	6.60	9700	ug/kg	J
	unknown	6.64	8600	ug/kg	J
	Naphthalene dimethyl	6.76	3400	ug/kg	J
	Naphthalene dimethyl	6.78	2600	ug/kg	J
	Naphthalene dimethyl	6.88	2600	ug/kg	J
	alkane	6.92	7100	ug/kg	J
	unknown	7.20	3300	ug/kg	J
	Naphthalene trimethyl	7.28	3900	ug/kg	J
	Naphthalene trimethyl	7.46	2800	ug/kg	J
	Naphthalene trimethyl	7.51	4800	ug/kg	J
	Naphthalene trimethyl	7.66	8400	ug/kg	J
	Naphthalene trimethyl	7.75	3200	ug/kg	J
	unknown	7.99	3000	ug/kg	J
	Dimethylbiphenyl	8.04	3100	ug/kg	J
	alkane	8.38	3700	ug/kg	J
	alkane	8.82	11000	ug/kg	J
	alkane	9.53	4400	ug/kg	J
	Total TIC, Semi-Volatile		127000	ug/kg	J

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: SB-12_14-16

Lab Sample ID: JB28725-7

Matrix: SO - Soil

Date Sampled: 02/12/13

Date Received: 02/13/13

Percent Solids: 85.0

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum	13700	56	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Antimony	< 2.2	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Arsenic	3.1	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Barium	72.9	22	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Beryllium	0.49	0.22	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Cadmium	< 0.56	0.56	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Calcium	729	560	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Chromium	24.7	1.1	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Cobalt	6.6	5.6	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Copper	28.1	2.8	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Iron	19500	56	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Lead	9.2	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Magnesium	4230	560	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Manganese	173	1.7	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Mercury	< 0.039	0.039	mg/kg	1	02/26/13	02/26/13	CS	SW846 7471B ¹	SW846 7471B ⁴
Nickel	19.0	4.5	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Potassium	4210	1100	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Selenium	< 2.2	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Silver	< 0.56	0.56	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Sodium	< 1100	1100	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Thallium	< 1.1	1.1	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Vanadium	28.0	5.6	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Zinc	63.3	2.2	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³

(1) Instrument QC Batch: MA30565

(2) Instrument QC Batch: MA30572

(3) Prep QC Batch: MP69993

(4) Prep QC Batch: MP70016

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	SB-11_17-19	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-8	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	81.7
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	E200106.D	1	02/20/13	OTR	n/a	n/a	VE8795
Run #2							

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

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	720	120	ug/kg	
71-43-2	Benzene	267	72	8.6	ug/kg	
74-97-5	Bromochloromethane	ND	360	19	ug/kg	
75-27-4	Bromodichloromethane	ND	360	7.6	ug/kg	
75-25-2	Bromoform	ND	360	11	ug/kg	
74-83-9	Bromomethane	ND	360	20	ug/kg	
78-93-3	2-Butanone (MEK)	ND	720	170	ug/kg	
75-15-0	Carbon disulfide	ND	360	8.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	360	9.6	ug/kg	
108-90-7	Chlorobenzene	5370	360	7.8	ug/kg	
75-00-3	Chloroethane	ND	360	16	ug/kg	
67-66-3	Chloroform	ND	360	6.0	ug/kg	
74-87-3	Chloromethane	ND	360	13	ug/kg	
110-82-7	Cyclohexane	503	360	9.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	720	64	ug/kg	
124-48-1	Dibromochloromethane	ND	360	12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	72	9.2	ug/kg	
95-50-1	1,2-Dichlorobenzene	314	360	14	ug/kg	J
541-73-1	1,3-Dichlorobenzene	622	360	14	ug/kg	
106-46-7	1,4-Dichlorobenzene	3140	360	13	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	360	17	ug/kg	
75-34-3	1,1-Dichloroethane	ND	360	9.9	ug/kg	
107-06-2	1,2-Dichloroethane	ND	72	9.8	ug/kg	
75-35-4	1,1-Dichloroethene	ND	360	19	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	360	13	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	360	17	ug/kg	
78-87-5	1,2-Dichloropropane	ND	360	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	360	10	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	360	11	ug/kg	
123-91-1	1,4-Dioxane	ND	9000	4300	ug/kg	
100-41-4	Ethylbenzene	1330	72	19	ug/kg	
76-13-1	Freon 113	ND	360	31	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:	SB-11_17-19	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-8	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	81.7
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	360	45	ug/kg	J
98-82-8	Isopropylbenzene	313	360	5.4	ug/kg	
79-20-9	Methyl Acetate	ND	360	190	ug/kg	
108-87-2	Methylcyclohexane	1710	360	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	72	17	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	360	54	ug/kg	
75-09-2	Methylene chloride	ND	360	92	ug/kg	
100-42-5	Styrene	ND	360	6.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	360	9.6	ug/kg	
127-18-4	Tetrachloroethene	ND	360	12	ug/kg	
108-88-3	Toluene	248	72	7.6	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	360	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	494	360	10	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	360	7.7	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	360	13	ug/kg	
79-01-6	Trichloroethene	ND	360	13	ug/kg	
75-69-4	Trichlorofluoromethane	ND	360	22	ug/kg	
75-01-4	Vinyl chloride	ND	360	10	ug/kg	
	m,p-Xylene	3190	72	13	ug/kg	
95-47-6	o-Xylene	2020	72	10	ug/kg	
1330-20-7	Xylene (total)	5210	72	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		70-130%
17060-07-0	1,2-Dichloroethane-D4	76%		70-122%
2037-26-5	Toluene-D8	91%		81-127%
460-00-4	4-Bromofluorobenzene	93%		66-132%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	alkane	11.84	6400	ug/kg	J
	alkane	12.00	10000	ug/kg	J
	alkane	13.73	5200	ug/kg	J
	alkane	13.86	5200	ug/kg	J
	alkane	15.30	6800	ug/kg	J
	C3 alkyl benzene	16.10	7000	ug/kg	J
95-63-6	Benzene, 1,2,4-trimethyl-	16.26	6400	ug/kg	JN
	C4 alkyl benzene	16.91	6600	ug/kg	J
496-11-7	Indane	17.03	7200	ug/kg	JN

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration 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: SB-11_17-19	Date Sampled: 02/12/13
Lab Sample ID: JB28725-8	Date Received: 02/13/13
Matrix: SO - Soil	Percent Solids: 81.7
Method: SW846 8260B	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

VOA TCL List (SOM0 1.1)

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	C4 alkyl benzene	17.43	8600	ug/kg	J
	1H-indene-dihydro-methyl	17.63	5700	ug/kg	J
	C4 alkyl benzene	17.87	7000	ug/kg	J
	1H-indene-dihydro-methyl	18.29	5800	ug/kg	J
	1H-indene-dihydro-methyl	18.48	6800	ug/kg	J
	dihydro-dimethylindene + C5 alkylbenzene	18.79	8500	ug/kg	J
	Total TIC, Volatile		103200	ug/kg	J

(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:	SB-11_17-19	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-8	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	81.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E48119.D	1	02/25/13	OYA	02/22/13	OP63785	E3E2085
Run #2							

Run #	Initial Weight	Final Volume
Run #1	31.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

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	38	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	380	65	ug/kg	
87-86-5	Pentachlorophenol	ND	380	66	ug/kg	
108-95-2	Phenol	ND	77	40	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	40	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	1500	38	11	ug/kg	
208-96-8	Acenaphthylene	ND	38	12	ug/kg	
98-86-2	Acetophenone	ND	190	6.8	ug/kg	
120-12-7	Anthracene	172	38	13	ug/kg	
1912-24-9	Atrazine	ND	190	7.6	ug/kg	
56-55-3	Benzo(a)anthracene	128	38	13	ug/kg	
50-32-8	Benzo(a)pyrene	109	38	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	127	38	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	102	38	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	67.5	38	14	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	
92-52-4	1,1'-Biphenyl	437	77	4.5	ug/kg	
100-52-7	Benzaldehyde	ND	190	8.9	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	ND	77	18	ug/kg	

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Report of Analysis

Page 2 of 3

Client Sample ID: SB-11_17-19

Lab Sample ID: JB28725-8

Date Sampled: 02/12/13

Matrix: SO - Soil

Date Received: 02/13/13

Method: SW846 8270D SW846 3550C

Percent Solids: 81.7

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	77	12	ug/kg	
218-01-9	Chrysene	153	38	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	
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	29.2	38	13	ug/kg	J
132-64-9	Dibenzofuran	701	77	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	77	8.5	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	278	77	34	ug/kg	
206-44-0	Fluoranthene	499	38	17	ug/kg	
86-73-7	Fluorene	644	38	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	77	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	38	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	380	39	ug/kg	
67-72-1	Hexachloroethane	ND	190	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	63.9	38	13	ug/kg	
78-59-1	Isophorone	ND	77	10	ug/kg	
91-57-6	2-Methylnaphthalene	3500	77	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	1810	38	11	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	1180	38	18	ug/kg	
129-00-0	Pyrene	536	38	15	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%		21-116%
4165-62-2	Phenol-d5	60%		19-117%

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Report of Analysis

Page 3 of 3

Client Sample ID: SB-11_17-19	Date Sampled: 02/12/13
Lab Sample ID: JB28725-8	Date Received: 02/13/13
Matrix: SO - Soil	Percent Solids: 81.7
Method: SW846 8270D SW846 3550C	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	47%		24-136%
4165-60-0	Nitrobenzene-d5	76%		21-122%
321-60-8	2-Fluorobiphenyl	63%		30-117%
1718-51-0	Terphenyl-d14	57%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	1.49	8100	ug/kg	J
	alkane	2.92	6200	ug/kg	J
	alkane	3.01	3100	ug/kg	J
	alkane	3.20	11000	ug/kg	J
	alkane	3.29	5500	ug/kg	J
	alkane	3.41	7300	ug/kg	J
	unknown	4.55	3100	ug/kg	J
	alkane	5.24	2900	ug/kg	J
90-12-0	Naphthalene, 1-methyl-	5.59	4000	ug/kg	JN
	unknown	5.66	3100	ug/kg	J
	alkane	5.82	2900	ug/kg	J
	Naphthalene dimethyl	6.53	2800	ug/kg	J
	alkane	6.86	5100	ug/kg	J
	Naphthalene trimethyl	7.58	4300	ug/kg	J
	Naphthalene trimethyl	7.68	3700	ug/kg	J
	alkane	8.32	5700	ug/kg	J
	unknown	8.70	2900	ug/kg	J
	alkane	8.75	14000	ug/kg	J
	unknown	8.83	5900	ug/kg	J
	unknown	8.88	3400	ug/kg	J
	alkane	9.46	6100	ug/kg	J
	unknown acid	10.25	9700	ug/kg	J
	unknown	10.87	3800	ug/kg	J
10544-50-0	Cyclic octaatomic sulfur	10.97	4500	ug/kg	JN
	unknown acid	11.32	23000	ug/kg	J
	unknown acid	11.35	14000	ug/kg	J
	unknown	14.86	24000	ug/kg	J
	unknown	14.97	16000	ug/kg	J
	unknown	15.47	3800	ug/kg	J
	Total TIC, Semi-Volatile		201800	ug/kg	J

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Report of Analysis

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Client Sample ID: SB-11_17-19

Lab Sample ID: JB28725-8

Matrix: SO - Soil

Date Sampled: 02/12/13

Date Received: 02/13/13

Percent Solids: 81.7

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	8630	50	mg/kg	1	02/25/13	02/27/13 GT	SW846 6010C ³	SW846 3050B ⁴
Antimony	< 2.0	2.0	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Arsenic	3.7	2.0	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Barium	300	20	mg/kg	1	02/25/13	02/27/13 GT	SW846 6010C ³	SW846 3050B ⁴
Beryllium	0.35	0.20	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Cadmium	1.1	0.50	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Calcium	16800	500	mg/kg	1	02/25/13	02/27/13 GT	SW846 6010C ³	SW846 3050B ⁴
Chromium	25.8	1.0	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Cobalt	6.2	5.0	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Copper	59.2	2.5	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Iron	18700	50	mg/kg	1	02/25/13	02/27/13 GT	SW846 6010C ³	SW846 3050B ⁴
Lead	150	2.0	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Magnesium	5620	500	mg/kg	1	02/25/13	02/27/13 GT	SW846 6010C ³	SW846 3050B ⁴
Manganese	186	1.5	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Mercury	0.098	0.035	mg/kg	1	02/26/13	02/26/13 CS	SW846 7471B ¹	SW846 7471B ⁵
Nickel	29.2	4.0	mg/kg	1	02/25/13	02/27/13 GT	SW846 6010C ³	SW846 3050B ⁴
Potassium	4820	1000	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Selenium	< 2.0	2.0	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Silver	0.68	0.50	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Sodium	< 1000	1000	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Thallium	< 1.0	1.0	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Vanadium	27.3	5.0	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Zinc	318	2.0	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴

(1) Instrument QC Batch: MA30565

(2) Instrument QC Batch: MA30572

(3) Instrument QC Batch: MA30581

(4) Prep QC Batch: MP69993

(5) Prep QC Batch: MP70016

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	SB-11_17-19	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-8R	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	81.7
Method:	SW846 8081B SW846 3546		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G89516.D	1	03/13/13	DS	02/22/13	OP63827	G1G2937
Run #2							

	Initial Weight	Final Volume
Run #1	15.9 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.77	0.36	ug/kg	
319-84-6	alpha-BHC	ND	0.77	0.23	ug/kg	
319-85-7	beta-BHC	ND	0.77	0.48	ug/kg	
319-86-8	delta-BHC	ND	0.77	0.38	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.77	0.38	ug/kg	
5103-71-9	alpha-Chlordane	24.6	0.77	0.29	ug/kg	
5103-74-2	gamma-Chlordane ^a	13.2	0.77	0.53	ug/kg	
60-57-1	Dieldrin	ND	0.77	0.30	ug/kg	
72-54-8	4,4' -DDD	15.6	0.77	0.42	ug/kg	
72-55-9	4,4' -DDE ^a	10.1	0.77	0.31	ug/kg	
50-29-3	4,4' -DDT	ND	0.77	0.38	ug/kg	
72-20-8	Endrin	ND	0.77	0.25	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.77	0.33	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.77	0.40	ug/kg	
959-98-8	Endosulfan-I	ND	0.77	0.29	ug/kg	
33213-65-9	Endosulfan-II	ND	0.77	0.46	ug/kg	
76-44-8	Heptachlor	ND	0.77	0.38	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.77	0.29	ug/kg	
72-43-5	Methoxychlor	2.5	1.5	0.76	ug/kg	
53494-70-5	Endrin ketone	ND	0.77	0.31	ug/kg	
8001-35-2	Toxaphene	ND	19	9.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	26%		23-137%
877-09-8	Tetrachloro-m-xylene	61%		23-137%
2051-24-3	Decachlorobiphenyl	35%		22-160%
2051-24-3	Decachlorobiphenyl	35%		22-160%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration 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:	SB-11_17-19	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-8R	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	81.7
Method:	SW846 8082A SW846 3546		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G77907.D	1	02/25/13	JR	02/22/13	OP63826	G2G2597
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	40	10	ug/kg	
11104-28-2	Aroclor 1221	ND	40	24	ug/kg	
11141-16-5	Aroclor 1232	ND	40	20	ug/kg	
53469-21-9	Aroclor 1242	ND	40	13	ug/kg	
12672-29-6	Aroclor 1248	ND	40	12	ug/kg	
11097-69-1	Aroclor 1254	ND	40	19	ug/kg	
11096-82-5	Aroclor 1260	ND	40	13	ug/kg	
11100-14-4	Aroclor 1268	ND	40	12	ug/kg	
37324-23-5	Aroclor 1262	ND	40	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		22-141%
877-09-8	Tetrachloro-m-xylene	59%		22-141%
2051-24-3	Decachlorobiphenyl	81%		18-163%
2051-24-3	Decachlorobiphenyl	73%		18-163%

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Report of Analysis

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Client Sample ID:	SB-10_8-10	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-9	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	81.9
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E200107.D	1	02/20/13	OTR	n/a	n/a	VE8795
Run #2							

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

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	720	120	ug/kg	J
71-43-2	Benzene	61.9	72	8.6	ug/kg	
74-97-5	Bromochloromethane	ND	360	19	ug/kg	
75-27-4	Bromodichloromethane	ND	360	7.6	ug/kg	
75-25-2	Bromoform	ND	360	11	ug/kg	
74-83-9	Bromomethane	ND	360	20	ug/kg	
78-93-3	2-Butanone (MEK)	ND	720	170	ug/kg	
75-15-0	Carbon disulfide	ND	360	8.4	ug/kg	
56-23-5	Carbon tetrachloride	ND	360	9.6	ug/kg	
108-90-7	Chlorobenzene	ND	360	7.8	ug/kg	
75-00-3	Chloroethane	ND	360	16	ug/kg	
67-66-3	Chloroform	ND	360	6.0	ug/kg	
74-87-3	Chloromethane	ND	360	13	ug/kg	
110-82-7	Cyclohexane	861	360	8.9	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	720	64	ug/kg	
124-48-1	Dibromochloromethane	ND	360	12	ug/kg	
106-93-4	1,2-Dibromoethane	ND	72	9.2	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	360	14	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	360	13	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	360	13	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	360	16	ug/kg	
75-34-3	1,1-Dichloroethane	ND	360	9.9	ug/kg	
107-06-2	1,2-Dichloroethane	ND	72	9.7	ug/kg	
75-35-4	1,1-Dichloroethene	ND	360	19	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	360	13	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	360	17	ug/kg	
78-87-5	1,2-Dichloropropane	ND	360	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	360	10	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	360	11	ug/kg	
123-91-1	1,4-Dioxane	ND	9000	4300	ug/kg	
100-41-4	Ethylbenzene	7950	72	19	ug/kg	
76-13-1	Freon 113	ND	360	31	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:	SB-10_8-10	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-9	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	81.9
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	360	45	ug/kg	
98-82-8	Isopropylbenzene	1490	360	5.4	ug/kg	
79-20-9	Methyl Acetate	ND	360	190	ug/kg	
108-87-2	Methylcyclohexane	4470	360	12	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	72	17	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	360	54	ug/kg	
75-09-2	Methylene chloride	ND	360	92	ug/kg	
100-42-5	Styrene	ND	360	6.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	360	9.5	ug/kg	
127-18-4	Tetrachloroethene	ND	360	12	ug/kg	
108-88-3	Toluene	190	72	7.6	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	360	12	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	360	10	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	360	7.6	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	360	13	ug/kg	
79-01-6	Trichloroethene	ND	360	13	ug/kg	
75-69-4	Trichlorofluoromethane	ND	360	21	ug/kg	
75-01-4	Vinyl chloride	ND	360	10	ug/kg	
	m,p-Xylene	24700	72	13	ug/kg	
95-47-6	o-Xylene	4710	72	10	ug/kg	
1330-20-7	Xylene (total)	29400	72	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		70-130%
17060-07-0	1,2-Dichloroethane-D4	78%		70-122%
2037-26-5	Toluene-D8	95%		81-127%
460-00-4	4-Bromofluorobenzene	87%		66-132%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
142-82-5	alkane-Heptane	10.68	4200	ug/kg	JN
	alkane	11.40	2900	ug/kg	J
	alkane	11.85	5900	ug/kg	J
	alkane	11.99	13000	ug/kg	J
	alkane	12.16	6700	ug/kg	J
	alkane	13.73	7000	ug/kg	J
	alkane	13.86	6100	ug/kg	J
	C3 alkyl benzene	15.74	8100	ug/kg	J
108-67-8	Benzene, 1,3,5-trimethyl-	15.83	3100	ug/kg	JN

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Report of Analysis

Page 3 of 3

Client Sample ID:	SB-10_8-10	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-9	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	81.9
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
95-63-6	Benzene, 1,2,4-trimethyl-	16.26	9400	ug/kg	JN
	C4 alkyl benzene	16.99	6700	ug/kg	J
	C4 alkyl benzene	17.43	4100	ug/kg	J
	1H-indene-dihydro-methyl	18.28	3200	ug/kg	J
	1H-indene-dihydro-methyl	18.47	3600	ug/kg	J
	dihydro-dimethylindene + C5 alkylbenzene	18.79	3400	ug/kg	J
	Total TIC, Volatile		87400	ug/kg	J

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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Report of Analysis

Page 1 of 3

Client Sample ID:	SB-10_8-10	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-9	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	81.9
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E48117.D	1	02/25/13	OYA	02/22/13	OP63785	E3E2085
Run #2	3E48144.D	5	02/26/13	OYA	02/22/13	OP63785	E3E2086

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2	30.0 g	1.0 ml

ABN TCL List (SOM0 1.1)

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	68	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	810	50	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	810	50	ug/kg	
95-48-7	2-Methylphenol	ND	81	46	ug/kg	
	3&4-Methylphenol	ND	81	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	81	43	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	200	42	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	47	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	38	ug/kg	
83-32-9	Acenaphthene	126	41	12	ug/kg	
208-96-8	Acenaphthylene	ND	41	13	ug/kg	
98-86-2	Acetophenone	ND	200	7.2	ug/kg	
120-12-7	Anthracene	55.6	41	14	ug/kg	
1912-24-9	Atrazine	ND	200	8.0	ug/kg	
56-55-3	Benzo(a)anthracene	26.6	41	13	ug/kg	J
50-32-8	Benzo(a)pyrene	ND	41	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	41	14	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	41	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	41	15	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	81	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	81	24	ug/kg	
92-52-4	1,1'-Biphenyl	164	81	4.7	ug/kg	
100-52-7	Benzaldehyde	ND	200	9.4	ug/kg	
91-58-7	2-Chloronaphthalene	ND	81	13	ug/kg	
106-47-8	4-Chloroaniline	ND	200	13	ug/kg	
86-74-8	Carbazole	ND	81	19	ug/kg	

ND = Not detected MDL - Method Detection Limit

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-10_8-10	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-9	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	81.9
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	81	13	ug/kg	
218-01-9	Chrysene	20.1	41	14	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	81	16	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	81	12	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	81	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	81	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	81	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	81	16	ug/kg	
91-94-1	3,3' -Dichlorobenzidine	ND	200	10	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	41	14	ug/kg	
132-64-9	Dibenzofuran	33.1	81	12	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	81	9.0	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	81	20	ug/kg	
84-66-2	Diethyl phthalate	ND	81	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	81	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	220	81	36	ug/kg	
206-44-0	Fluoranthene	60.3	41	18	ug/kg	
86-73-7	Fluorene	123	41	13	ug/kg	
118-74-1	Hexachlorobenzene	ND	81	13	ug/kg	
87-68-3	Hexachlorobutadiene	ND	41	11	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	410	42	ug/kg	
67-72-1	Hexachloroethane	ND	200	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	41	14	ug/kg	
78-59-1	Isophorone	ND	81	11	ug/kg	
91-57-6	2-Methylnaphthalene	9720 ^a	410	110	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	8110 ^a	200	56	ug/kg	
98-95-3	Nitrobenzene	ND	81	12	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	81	9.9	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	24	ug/kg	
85-01-8	Phenanthrene	333	41	19	ug/kg	
129-00-0	Pyrene	71.3	41	16	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%	57%	21-116%
4165-62-2	Phenol-d5	52%	54%	19-117%

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Report of Analysis

Client Sample ID:	SB-10_8-10	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-9	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	81.9
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	69%	69%	24-136%
4165-60-0	Nitrobenzene-d5	59%	76%	21-122%
321-60-8	2-Fluorobiphenyl	54%	63%	30-117%
1718-51-0	Terphenyl-d14	69%	72%	31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	1.48	6000	ug/kg	J
	C3 alkyl benzene	2.30	2500	ug/kg	J
	C3 alkyl benzene	2.38	15000	ug/kg	J
	C3 alkyl benzene	2.44	6600	ug/kg	J
	C3 alkyl benzene	2.53	3900	ug/kg	J
	C3 alkyl benzene	2.67	19000	ug/kg	J
	C3 alkyl benzene	2.91	6900	ug/kg	J
496-11-7	Indane	3.03	4200	ug/kg	JN
	C4 alkyl benzene	3.17	7200	ug/kg	J
	unknown	3.22	4000	ug/kg	J
	C4 alkyl benzene	3.24	5800	ug/kg	J
	C4 alkyl benzene	3.32	2400	ug/kg	J
	C4 alkyl benzene	3.42	8500	ug/kg	J
	unknown	3.56	1400	ug/kg	J
	1H-indene-dihydro-methyl	4.11	1400	ug/kg	J
	Naphthalene ethyl	6.28	1300	ug/kg	J
	alkane	6.32	1800	ug/kg	J
	Naphthalene dimethyl	6.38	1800	ug/kg	J
	Naphthalene dimethyl	6.51	1900	ug/kg	J
	alkane	7.15	2300	ug/kg	J
	Naphthalene trimethyl	7.66	1300	ug/kg	J
	alkane	7.93	2100	ug/kg	J
	alkane	8.67	1300	ug/kg	J
	alkane	8.71	1300	ug/kg	J
	alkane	10.05	1300	ug/kg	J
10544-50-0	Cyclic octaatomic sulfur	10.94	1300	ug/kg	JN
	Total TIC, Semi-Volatile		106500	ug/kg	J

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit

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Report of Analysis

Page 1 of 1

Client Sample ID: SB-10_8-10

Lab Sample ID: JB28725-9

Matrix: SO - Soil

Date Sampled: 02/12/13

Date Received: 02/13/13

Percent Solids: 81.9

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum	15900	50	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Antimony	< 2.0	2.0	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Arsenic	5.2	2.0	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Barium	46.2	20	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Beryllium	0.77	0.20	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Cadmium	< 0.50	0.50	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Calcium	1260	500	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Chromium	28.1	1.0	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Cobalt	13.5	5.0	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Copper	17.8	2.5	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Iron	21700	50	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Lead	8.5	2.0	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Magnesium	4160	500	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Manganese	218	1.5	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Mercury	< 0.039	0.039	mg/kg	1	02/26/13	02/26/13	CS	SW846 7471B ¹	SW846 7471B ⁴
Nickel	23.1	4.0	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Potassium	1930	1000	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Selenium	< 2.0	2.0	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Silver	< 0.50	0.50	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Sodium	< 1000	1000	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Thallium	< 1.0	1.0	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Vanadium	34.3	5.0	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³
Zinc	36.2	2.0	mg/kg	1	02/25/13	02/27/13	ND	SW846 6010C ²	SW846 3050B ³

(1) Instrument QC Batch: MA30565

(2) Instrument QC Batch: MA30572

(3) Prep QC Batch: MP69993

(4) Prep QC Batch: MP70016

RL = Reporting Limit

Report of Analysis

Page 1 of 3

Client Sample ID:	SB-10_14-16	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-10	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	89.1
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C95986.D	1	02/20/13	JTP	n/a	n/a	V3C4257
Run #2							

	Initial Weight
Run #1	4.5 g
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	12	2.1	ug/kg	
71-43-2	Benzene	ND	1.2	0.15	ug/kg	
74-97-5	Bromochloromethane	ND	6.2	0.33	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	0.13	ug/kg	
75-25-2	Bromoform	ND	6.2	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.2	0.34	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	3.0	ug/kg	
75-15-0	Carbon disulfide	0.60	6.2	0.15	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.2	0.17	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	0.13	ug/kg	
75-00-3	Chloroethane	ND	6.2	0.28	ug/kg	
67-66-3	Chloroform	ND	6.2	0.10	ug/kg	
74-87-3	Chloromethane	ND	6.2	0.23	ug/kg	
110-82-7	Cyclohexane	ND	6.2	0.15	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	1.1	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	0.20	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.2	0.24	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.2	0.23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.2	0.22	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.2	0.28	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.17	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.2	0.32	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.2	0.23	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.2	0.30	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	0.19	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	0.19	ug/kg	
123-91-1	1,4-Dioxane	ND	160	74	ug/kg	
100-41-4	Ethylbenzene	0.81	1.2	0.33	ug/kg	J
76-13-1	Freon 113	ND	6.2	0.54	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:	SB-10_14-16	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-10	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	89.1
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	6.2	0.78	ug/kg	
98-82-8	Isopropylbenzene	ND	6.2	0.093	ug/kg	
79-20-9	Methyl Acetate	ND	6.2	3.2	ug/kg	
108-87-2	Methylcyclohexane	0.33	6.2	0.21	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.29	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.2	0.94	ug/kg	
75-09-2	Methylene chloride	ND	6.2	1.6	ug/kg	
100-42-5	Styrene	ND	6.2	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	0.16	ug/kg	
127-18-4	Tetrachloroethene	0.58	6.2	0.21	ug/kg	J
108-88-3	Toluene	1.9	1.2	0.13	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	0.20	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	0.17	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	0.22	ug/kg	
79-01-6	Trichloroethene	ND	6.2	0.22	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	0.37	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	0.18	ug/kg	
	m,p-Xylene	2.8	1.2	0.22	ug/kg	
95-47-6	o-Xylene	0.96	1.2	0.17	ug/kg	J
1330-20-7	Xylene (total)	3.7	1.2	0.17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		70-130%
17060-07-0	1,2-Dichloroethane-D4	91%		70-122%
2037-26-5	Toluene-D8	95%		81-127%
460-00-4	4-Bromofluorobenzene	93%		66-132%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	alkane	11.61	25	ug/kg	J
	alkane	11.77	18	ug/kg	J
	alkane	13.22	24	ug/kg	J
	alkane	13.35	19	ug/kg	J
	alkane	14.57	29	ug/kg	J
	alkane	15.88	18	ug/kg	J
	C4 alkyl benzene + alkane	16.17	18	ug/kg	J
	1H-indene-dihydro-methyl	17.35	14	ug/kg	J
	1H-indene-dihydro-methyl	17.52	13	ug/kg	J

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 3 of 3

Client Sample ID:	SB-10_14-16	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-10	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	89.1
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	dihydro-dimethylindene + C5 alkylbenzene	17.80	23	ug/kg	J
	1H-indene-dihydro-dimethyl	17.97	17	ug/kg	J
	unknown	18.24	15	ug/kg	J
	1H-indene-dihydro-dimethyl	18.52	13	ug/kg	J
	Naphthalene, methyl-	19.44	16	ug/kg	J
	Naphthalene, methyl-	19.67	12	ug/kg	J
	Total TIC, Volatile		274	ug/kg	J

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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:	SB-10_14-16	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-10	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	89.1
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3E48118.D	1	02/25/13	OYA	02/22/13	OP63785	E3E2085
Run #2							

Run #	Initial Weight	Final Volume
Run #1	34.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	160	32	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	160	32	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	160	52	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	160	54	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	640	39	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	640	39	ug/kg	
95-48-7	2-Methylphenol	ND	64	37	ug/kg	
	3&4-Methylphenol	ND	64	41	ug/kg	
88-75-5	2-Nitrophenol	ND	160	34	ug/kg	
100-02-7	4-Nitrophenol	ND	320	54	ug/kg	
87-86-5	Pentachlorophenol	ND	320	55	ug/kg	
108-95-2	Phenol	ND	64	34	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	160	33	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	160	37	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	160	30	ug/kg	
83-32-9	Acenaphthene	ND	32	9.3	ug/kg	
208-96-8	Acenaphthylene	ND	32	10	ug/kg	
98-86-2	Acetophenone	ND	160	5.7	ug/kg	
120-12-7	Anthracene	ND	32	11	ug/kg	
1912-24-9	Atrazine	ND	160	6.3	ug/kg	
56-55-3	Benzo(a)anthracene	ND	32	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	32	9.8	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	32	11	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	32	12	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	32	12	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	64	12	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	64	19	ug/kg	
92-52-4	1,1'-Biphenyl	ND	64	3.7	ug/kg	
100-52-7	Benzaldehyde	ND	160	7.4	ug/kg	
91-58-7	2-Chloronaphthalene	ND	64	10	ug/kg	
106-47-8	4-Chloroaniline	ND	160	10	ug/kg	
86-74-8	Carbazole	ND	64	15	ug/kg	

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-10_14-16	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-10	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	89.1
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	64	10	ug/kg	
218-01-9	Chrysene	ND	32	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	64	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	64	9.7	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	64	9.6	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	64	9.7	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	64	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	64	12	ug/kg	
91-94-1	3,3' -Dichlorobenzidine	ND	160	8.2	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	32	11	ug/kg	
132-64-9	Dibenzofuran	ND	64	9.6	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	64	7.1	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	64	16	ug/kg	
84-66-2	Diethyl phthalate	ND	64	11	ug/kg	
131-11-3	Dimethyl phthalate	ND	64	11	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	163	64	28	ug/kg	
206-44-0	Fluoranthene	ND	32	14	ug/kg	
86-73-7	Fluorene	ND	32	11	ug/kg	
118-74-1	Hexachlorobenzene	ND	64	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	32	8.9	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	320	33	ug/kg	
67-72-1	Hexachloroethane	ND	160	8.9	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	32	11	ug/kg	
78-59-1	Isophorone	ND	64	8.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	64	18	ug/kg	
88-74-4	2-Nitroaniline	ND	160	14	ug/kg	
99-09-2	3-Nitroaniline	ND	160	13	ug/kg	
100-01-6	4-Nitroaniline	ND	160	13	ug/kg	
91-20-3	Naphthalene	ND	32	8.8	ug/kg	
98-95-3	Nitrobenzene	ND	64	9.3	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	64	7.8	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	160	19	ug/kg	
85-01-8	Phenanthrene	ND	32	15	ug/kg	
129-00-0	Pyrene	ND	32	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	160	9.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	73%		21-116%
4165-62-2	Phenol-d5	70%		19-117%

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	SB-10_14-16	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-10	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	89.1
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	74%		24-136%
4165-60-0	Nitrobenzene-d5	68%		21-122%
321-60-8	2-Fluorobiphenyl	69%		30-117%
1718-51-0	Terphenyl-d14	86%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown acid	.87	500	ug/kg	J
	system artifact	1.07	220	ug/kg	J
	system artifact	1.25	200	ug/kg	J
	system artifact	1.34	300	ug/kg	J
	system artifact/aldol-condensation	1.48	7500	ug/kg	J
	unknown	2.01	140	ug/kg	J
	C3 alkyl benzene	2.06	380	ug/kg	J
	unknown	2.21	1200	ug/kg	J
	C3 alkyl benzene	2.38	140	ug/kg	J
	C3 alkyl benzene	2.65	200	ug/kg	J
301-02-0	9-Octadecenamide, (Z)-	12.51	320	ug/kg	JN
	Total TIC, Semi-Volatile		2880	ug/kg	J

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Report of Analysis

Page 1 of 1

Client Sample ID: SB-10_14-16**Lab Sample ID:** JB28725-10**Matrix:** SO - Soil**Date Sampled:** 02/12/13**Date Received:** 02/13/13**Percent Solids:** 89.1**Project:** Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	7290	55	mg/kg	1	02/25/13	02/27/13 GT	SW846 6010C ³	SW846 3050B ⁴
Antimony	< 2.2	2.2	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Arsenic	< 2.2	2.2	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Barium	65.9	22	mg/kg	1	02/25/13	02/27/13 GT	SW846 6010C ³	SW846 3050B ⁴
Beryllium	< 0.22	0.22	mg/kg	1	02/25/13	02/27/13 GT	SW846 6010C ³	SW846 3050B ⁴
Cadmium	< 0.55	0.55	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Calcium	600	550	mg/kg	1	02/25/13	02/27/13 GT	SW846 6010C ³	SW846 3050B ⁴
Chromium	13.1	1.1	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Cobalt	< 5.5	5.5	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Copper	16.1	2.8	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Iron	11100	55	mg/kg	1	02/25/13	02/27/13 GT	SW846 6010C ³	SW846 3050B ⁴
Lead	4.3	2.2	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Magnesium	2380	550	mg/kg	1	02/25/13	02/27/13 GT	SW846 6010C ³	SW846 3050B ⁴
Manganese	207	1.7	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Mercury	< 0.035	0.035	mg/kg	1	02/26/13	02/26/13 CS	SW846 7471B ¹	SW846 7471B ⁵
Nickel	13.8	4.4	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Potassium	2480	1100	mg/kg	1	02/25/13	02/27/13 GT	SW846 6010C ³	SW846 3050B ⁴
Selenium	< 2.2	2.2	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Silver	< 0.55	0.55	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Sodium	< 1100	1100	mg/kg	1	02/25/13	02/27/13 GT	SW846 6010C ³	SW846 3050B ⁴
Thallium	< 1.1	1.1	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Vanadium	16.6	5.5	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴
Zinc	24.6	2.2	mg/kg	1	02/25/13	02/27/13 ND	SW846 6010C ²	SW846 3050B ⁴

(1) Instrument QC Batch: MA30565

(2) Instrument QC Batch: MA30572

(3) Instrument QC Batch: MA30581

(4) Prep QC Batch: MP69993

(5) Prep QC Batch: MP70016

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	TRIP BLANK	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-11	Date Received:	02/13/13
Matrix:	AQ - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4D32321.D	1	02/20/13	JTP	n/a	n/a	V4D1455
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

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Report of Analysis

Page 2 of 2

Client Sample ID:	TRIP BLANK	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-11	Date Received:	02/13/13
Matrix:	AQ - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	87%		81-121%
17060-07-0	1,2-Dichloroethane-D4	96%		74-127%
2037-26-5	Toluene-D8	92%		80-122%
460-00-4	4-Bromofluorobenzene	89%		78-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

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Misc. Forms

5

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 #

Client / Reporting Information		Project Information		Requested Analysis (see TEST CODE sheet)										Matrix Codes			
Company Name Roux Associates		Project Name Echo Bay Redevelopment		AB8270TCL11+MTAL V8260TCL11+ P8081 Pest / PCB										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			
Street Address 209 Shafter St		Street 224 Main St															
City Islandia NY		City New Rochelle NY															
Project Contact Bob Kovacs		Project #															
Phone # 631 232 2600		Client Purchase Order #															
Sampler(s) Name(s) Attoffmann		Project Manager															
Field ID / Point of Collection		MECH/ID Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NHCl	HNO3	H2SO4	NONE	DI Water	MECH	ENGORE	LAB USE ONLY	
-1	SB-8-0-2		2/11/13	0930	AH	SO	3										EX78
-2	SB-1-0-2		2/11/13	1300	AH	SO	3										19J2
-3	SB-2-0-2		2/11/13	1500	AH	SO	3										M31T3
-4	SB-14-6-8		2/12/13	0915	AH	SO	4										2073
-5	SB-13-7-9		2/12/13	1000	AH	SO	4										
-6	SB-12-10-12		2/12/13	1030	AH	SO	4										
-7	SB-12-14-16		2/12/13	1045	AH	SO	3										
-8	SB-11-17-19		2/12/13	1130	AH	SO	4										
-9	SB-10-8-10		2/12/13	1300	AH	SO	4										
-10	SB-10-14-16		2/12/13	1330	AH	SO	3										
-11	Trip Blank		2/13/13	-	-	TB	2	X									
Turnaround Time (Business days)		Approved By (Accutest PM): / Date:		Data Deliverable Information										Comments / Special Instructions			
☒ Std. 10 Business Days ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY ☐ other				☐ 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										Please HOLD SB-8-0-2, SB-1-0-2, SB-2-0-2, SB-12-14-16 until further notice. Also HOLD all Pest, PCB testing			
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													
Relinquished by Sampler:		Date Time:	Received By:	Relinquished by:		Date Time:	Received By:	Relinquished by:		Date Time:	Received By:	Relinquished by:		Date Time:	Received By:		
1		2/13/13 9:05	Chris Law	2		1045	Chris Law	3		2/13/13		4					
3				4				5				6					
5				Custody Seal #				Intact				Preserved where applicable					
								Not intact								1.5°C	

JB28725: Chain of Custody

Page 1 of 4

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB28725 Client: _____ Project: _____
 Date / Time Received: 2/13/2013 Delivery Method: _____ Airbill #'s: _____
 Cooler Temps (Initial/Adjusted): #1: (1.5/1.5); 0

Cooler Security

<table border="0"> <tr> <th style="text-align: left;"><u>Y or N</u></th> <th style="text-align: left;"><u>Y or N</u></th> </tr> <tr> <td>1. Custody Seals Present: ☒ ☐</td> <td>3. COC Present: ☒ ☐</td> </tr> <tr> <td>2. Custody Seals Intact: ☒ ☐</td> <td>4. Smpl Dates/Time OK: ☒ ☐</td> </tr> </table>	<u>Y or N</u>	<u>Y or N</u>	1. Custody Seals Present: ☒ ☐	3. COC Present: ☒ ☐	2. Custody Seals Intact: ☒ ☐	4. Smpl Dates/Time OK: ☒ ☐	
<u>Y or N</u>	<u>Y or N</u>						
1. Custody Seals Present: ☒ ☐	3. COC Present: ☒ ☐						
2. Custody Seals Intact: ☒ ☐	4. Smpl Dates/Time OK: ☒ ☐						

Cooler Temperature

<u>Y or N</u>
1. Temp criteria achieved: ☒ ☐
2. Cooler temp verification: <u>IR Gun</u>
3. Cooler media: <u>Ice (Bag)</u>
4. No. Coolers: <u>1</u>

Quality Control Preservation

<u>Y or N</u>	<u>N/A</u>
1. Trip Blank present / cooler: ☒ ☐ ☐	
2. Trip Blank listed on COC: ☒ ☐ ☐	
3. Samples preserved properly: ☒ ☐ ☐	
4. VOCs headspace free: ☒ ☐ ☐	

Sample Integrity - Documentation

<u>Y or N</u>
1. Sample labels present on bottles: ☒ ☐
2. Container labeling complete: ☒ ☐
3. Sample container label / COC agree: ☒ ☐

Sample Integrity - Condition

<u>Y or N</u>
1. Sample recvd within HT: ☒ ☐
2. All containers accounted for: ☒ ☐
3. Condition of sample: <u>Intact</u>

Sample Integrity - Instructions

<u>Y or N</u>	<u>N/A</u>
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

Job Change Order: JB28725_2_20_2013

Requested Date: 2/20/2013
Account Name: Roux Associates
Project: Echo Bay Redevelopment - City Yard, 224 East
CSR: michello
Received Date: 2/13/2013
Due Date: 2/27/2013
Deliverable: NYASPB
TAT (Days): 14

=====
Sample #: JB28725-4
Dept:
Change: Please run for XPPTCL11

SB-14_6-8
=====
Sample #: JB28725-8
Dept:
Change: Please run for XPPTCL11

SB-11_17-19
=====

Above Changes Per: Robert Kovacs
Date: 2/20/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Job Change Order: JB28725_3_20_2013

Requested Date: 3/20/2013
Account Name: Roux Associates
Project: Echo Bay Redevelopment - City Yard, 224 East
CSR: MartyV

Received Date: 2/13/2013
Due Date: 2/27/2013
Deliverable: NYASPB
TAT (Days): 7

=====
Sample #: JB28725-5, 6
Dept: Change:
Relog for V8015GRO and B8015DRO44

=====

Above Changes Per: Rob Kovacs
Date: 3/20/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service



04/22/13

Technical Report for

Roux Associates

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Accutest Job Number: JB28725R

Sampling Date: 02/12/13

Report to:

Roux Associates

rmaxwell@rouxinc.com

ATTN: Richard Maxwell

Total number of pages in report: **15**



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.

A handwritten signature in black ink that reads 'Nancy F. Cole'.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), 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

Roux Associates

Job No: JB28725R

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Sample Number	Collected		Time By	Received	Matrix		Client Sample ID
	Date				Code	Type	
JB28725-5R	02/12/13	10:00	AH	02/13/13	SO	Soil	SB-13_7-9
JB28725-6R	02/12/13	10:30	AH	02/13/13	SO	Soil	SB-12_10-12

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



CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Roux Associates

Job No JB28725R

Site: Echo Bay Redevelopment - City Yard, 224 East Main Street, New R

Report Date 3/29/2013 7:03:38 PM

On 02/13/2013, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 1.5 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB28725R 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 GC By Method SW846 8015C

Matrix: SO

Batch ID: GPF3060

- All method blanks for this batch meet method specific criteria.
- Sample(s) JB32010-3MS, JB32010-3MSD were used as the QC samples indicated.
- JB28725-6R: Sample analyzed outside the holding time per client's request.
- JB28725-5R: Sample analyzed outside the holding time per client's request.

Extractables by GC By Method SW846 8015C

Matrix: SO

Batch ID: OP64598

- All method blanks for this batch meet method specific criteria.
- Sample(s) JB31608-2MS, JB31608-2MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for TPH-DRO (C10-C44) are outside control limits.
- JB28725-6R: Sample extracted outside the holding time per client's request.
- JB28725-5R: Sample extracted outside the holding time per client's request.

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

Summary of Hits

Page 1 of 1

Job Number: JB28725R

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/12/13

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

JB28725-5R SB-13_7-9

TPH-GRO (C6-C10) ^a	2470	130	12	mg/kg	SW846 8015C
TPH-DRO (C10-C44) ^b	11200	110	43	mg/kg	SW846 8015C

JB28725-6R SB-12_10-12

TPH-GRO (C6-C10) ^a	1580	15	1.4	mg/kg	SW846 8015C
TPH-DRO (C10-C44) ^b	6160	12	4.7	mg/kg	SW846 8015C

(a) Sample analyzed outside the holding time per client's request.

(b) Sample extracted outside the holding time per client's request.

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-13_7-9	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-5R	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	85.6
Method:	SW846 8015C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	PF05931.D	1	03/22/13	HT	n/a	n/a	GPF3060
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	2470	130	12	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	100%		66-119%		

(a) Sample analyzed outside the holding time per client's request.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration 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:	SB-13_7-9	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-5R	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	85.6
Method:	SW846 8015C SW846 3546		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	YZ59389.D	10	03/25/13	OPM	03/21/13	OP64598	GYZ1796
Run #2							

	Initial Weight	Final Volume
Run #1	10.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C44)	11200	110	43	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	67%		13-142%
16416-32-3	Tetracosane-d50	108%		12-141%
438-22-2	5a-Androstane	114%		13-142%

(a) Sample extracted outside the holding time per client's request.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration 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:	SB-12_10-12	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-6R	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	80.7
Method:	SW846 8015C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	PF05936.D	1	03/23/13	HT	n/a	n/a	GPF3060
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.8 g	10.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	1580	15	1.4	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	86%		66-119%		

(a) Sample analyzed outside the holding time per client's request.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration 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:	SB-12_10-12	Date Sampled:	02/12/13
Lab Sample ID:	JB28725-6R	Date Received:	02/13/13
Matrix:	SO - Soil	Percent Solids:	80.7
Method:	SW846 8015C SW846 3546		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	YZ59373.D	1	03/22/13	CS	03/21/13	OP64598	GYZ1794
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C44)	6160	12	4.7	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	80%		13-142%
16416-32-3	Tetracosane-d50	73%		12-141%
438-22-2	5a-Androstane	116%		13-142%

(a) Sample extracted outside the holding time per client's request.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates 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

5

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 #

Client / Reporting Information		Project Information		Requested Analysis (see TEST CODE sheet)										Matrix Codes			
Company Name Roux Associates		Project Name Echo Bay Redevelopment		AB8270TCL11+MTAL V8260TCL11+ P8081 Pest/PCB										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			
Street Address 209 Shafter St		Street 224 Main St															
City Islandia NY		City New Rochelle NY															
Project Contact Bob Kovacs		Project #															
Phone # 631 232 2600		Client Purchase Order #															
Sampler(s) Name(s) Attotmann		Project Manager															
Field ID / Point of Collection		MECH/ID Val #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NHCl	HNO3	H2SO4	NONE	DI Water	MECH	ENGORE	LAB USE ONLY	
-1	SB-8-0-2		2/11/13	0930	AH	SO	3									EX78	
-2	SB-1-0-2		2/11/13	1300	AH	SO	3									19J2	
-3	SB-2-0-2		2/11/13	1500	AH	SO	3									M31T3	
-4	SB-14-6-8		2/12/13	0915	AH	SO	4									2073	
-5	SB-13-7-9		2/12/13	1000	AH	SO	4										
-6	SB-12-10-12		2/12/13	1030	AH	SO	4										
-7	SB-12-14-16		2/12/13	1045	AH	SO	3										
-8	SB-11-17-19		2/12/13	1130	AH	SO	4										
-9	SB-10-8-10		2/12/13	1300	AH	SO	4										
-10	SB-10-14-16		2/12/13	1330	AH	SO	3										
-11	Trip Blank		2/13/13	-	-	TB	2	X									
Turnaround Time (Business days)		Approved By (Accutest PM): / Date:		Data Deliverable Information										Comments / Special Instructions			
☒ Std. 10 Business Days ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY ☐ other				☐ 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										Please HOLD SB-8-0-2, SB-1-0-2, SB-2-0-2, SB-12-14-16 until further notice. Also HOLD all Pest, PCB testing			
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:		Date Time:		Received By:		Date Time:		Relinquished By:		Date Time:		Received By:		Date Time:		Received By:	
1		2/13/13 9:05		1		Chris Law		2		1045		2		2/13/13		2	
3				3				4				4					
Relinquished by:		Date Time:		Received By:		Date Time:		Custody Seal #		Intact		Preserved where applicable		On Ice		Cooler Temp.	
5				5						☐		☐		☒		1.5°C	

JB28725R: Chain of Custody

Page 1 of 4

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB28725 Client: _____ Project: _____
 Date / Time Received: 2/13/2013 Delivery Method: _____ Airbill #'s: _____
 Cooler Temps (Initial/Adjusted): #1: (1.5/1.5); 0

Cooler Security

<table border="0"> <tr> <th style="text-align: left;"><u>Y or N</u></th> <th style="text-align: left;"><u>Y or N</u></th> </tr> <tr> <td>1. Custody Seals Present: ☒ ☐</td> <td>3. COC Present: ☒ ☐</td> </tr> <tr> <td>2. Custody Seals Intact: ☒ ☐</td> <td>4. Smpl Dates/Time OK: ☒ ☐</td> </tr> </table>	<u>Y or N</u>	<u>Y or N</u>	1. Custody Seals Present: ☒ ☐	3. COC Present: ☒ ☐	2. Custody Seals Intact: ☒ ☐	4. Smpl Dates/Time OK: ☒ ☐	
<u>Y or N</u>	<u>Y or N</u>						
1. Custody Seals Present: ☒ ☐	3. COC Present: ☒ ☐						
2. Custody Seals Intact: ☒ ☐	4. Smpl Dates/Time OK: ☒ ☐						

Cooler Temperature

<u>Y or N</u>
1. Temp criteria achieved: ☒ ☐
2. Cooler temp verification: <u>IR Gun</u>
3. Cooler media: <u>Ice (Bag)</u>
4. No. Coolers: <u>1</u>

Quality Control Preservation

<u>Y or N</u>	<u>N/A</u>
1. Trip Blank present / cooler: ☒ ☐ ☐	
2. Trip Blank listed on COC: ☒ ☐ ☐	
3. Samples preserved properly: ☒ ☐ ☐	
4. VOCs headspace free: ☒ ☐ ☐	

Sample Integrity - Documentation

<u>Y or N</u>
1. Sample labels present on bottles: ☒ ☐
2. Container labeling complete: ☒ ☐
3. Sample container label / COC agree: ☒ ☐

Sample Integrity - Condition

<u>Y or N</u>
1. Sample recvd within HT: ☒ ☐
2. All containers accounted for: ☒ ☐
3. Condition of sample: <u>Intact</u>

Sample Integrity - Instructions

<u>Y or N</u>	<u>N/A</u>
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

Job Change Order: JB28725_2_20_2013

Requested Date: 2/20/2013 Received Date: 2/13/2013
Account Name: Roux Associates Due Date: 2/27/2013
Project Echo Bay Redevelopment - City Yard, 224 East NYASPB
CSR: michello TAT (Days): 14

Sample #: JB28725-4 Change: Please run for XPPTCL11
Dept:

SB-14_6-8

Sample #: JB28725-8 Change: Please run for XPPTCL11
Dept:

SB-11_17-19

Above Changes Per: Robert Kovacs Date: 2/20/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

2

Sample #: JB28725-5, 6
Dept: Change:
Relog for V8015GRO and B8015DRO44

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99	99
100	100

Above Changes Per: Rob Kovacs **Date:** 3/20/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Acoustest Client Service

Page 1 of 1



04/22/13

Technical Report for

Roux Associates

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Accutest Job Number: JB28972

Sampling Dates: 02/13/13 - 02/15/13

Report to:

Roux Associates

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Total number of pages in report: **114**



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.

A handwritten signature in black ink that reads 'Nancy F. Cole'.

Nancy Cole
Laboratory Director

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Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Sample Summary

Roux Associates

Job No: JB28972

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JB28972-1	02/13/13	09:30 AH	02/15/13	SO	Soil	SB-16_8-10
JB28972-2	02/13/13	10:15 AH	02/15/13	SO	Soil	SB-16_16-18
JB28972-3	02/13/13	11:00 AH	02/15/13	SO	Soil	SB-7_7-9
JB28972-4	02/13/13	11:30 AH	02/15/13	SO	Soil	SB-7_10-12
JB28972-5	02/13/13	14:00 AH	02/15/13	SO	Soil	SB-5_10-12
JB28972-5R	02/13/13	14:00 AH	02/15/13	SO	Soil	SB-5_10-12
JB28972-6	02/13/13	14:30 AH	02/15/13	SO	Soil	SB-5_13-15
JB28972-7	02/13/13	10:30 AH	02/15/13	SO	Soil	DUP_21313
JB28972-8	02/13/13	12:00 AH	02/15/13	AQ	Field Blank Soil	FB_21313
JB28972-8R	02/13/13	12:00 AH	02/15/13	AQ	Field Blank Soil	FB_21313
JB28972-9	02/14/13	11:30 AH	02/15/13	SO	Soil	SB-3_0-2
JB28972-9R	02/14/13	11:30 AH	02/15/13	SO	Soil	SB-3_0-2
JB28972-10	02/14/13	12:00 AH	02/15/13	SO	Soil	SB-4_0-2

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



Sample Summary

(continued)

Roux Associates

Job No: JB28972

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JB28972-11	02/14/13	10:00 AH	02/15/13	AQ	Field Blank Soil	FB_21413
JB28972-11R	02/14/13	10:00 AH	02/15/13	AQ	Field Blank Soil	FB_21413
JB28972-12	02/15/13	12:00 AH	02/15/13	AQ	Trip Blank Soil	TRIP BLANK
JB28972-13	02/15/13	12:00 AH	02/15/13	SO	Soil	SBA-1_0-2

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

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Roux Associates

Job No JB28972

Site: Echo Bay Redevelopment - City Yard, 224 East Main Street, New R

Report Date 3/8/2013 4:24:32 PM

On 02/15/2013, 10 Sample(s), 1 Trip Blank(s) and 2 Field Blank(s) were received at Accutest Laboratories at a temperature of 2 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB28972 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: V2A5627

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB28983-1MS, JB28983-1MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Styrene are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for Chloroethane, Chloromethane, m,p-Xylene, Methylene chloride, o-Xylene, Styrene, trans-1,2-Dichloroethene, Xylene (total) are outside control limits for sample JB28983-1MSD. Outside control limits due to matrix interference.

Matrix: SO

Batch ID: VA7225

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB28972-9MS, JB28972-9MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MSD for 1,1,2,2-Tetrachloroethane, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 1,2-Dibromo-3-chloropropane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Cyclohexane, Ethylbenzene, Isopropylbenzene, m,p-Xylene, Methylcyclohexane, o-Xylene, Styrene, Tetrachloroethene, Xylene (total) are outside control limits for sample JB28972-9MSD. Outside control limits due to matrix interference.

Matrix: SO

Batch ID: VA7227

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB28972-13MS, JB28972-13MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for MSD for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, 2-Hexanone, 4-Methyl-2-pentanone(MIBK) are outside control limits for sample JB28972-13MSD. Outside control limits due to matrix interference.

Matrix: SO

Batch ID: VD8390

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB28628-4MS, JB28628-4MSD were used as the QC samples indicated.
- JB28972-1: Dilution required due to sample matrix.
- JB28972-10: Dilution required due to matrix interference.
- JB28972-5: Dilution required due to sample matrix.

Matrix: SO

Batch ID: VX5785

- All samples were analyzed within the recommended method holding time.

Volatiles by GCMS By Method SW846 8260B**Matrix:** SO**Batch ID:** VX5785

- All method blanks for this batch meet method specific criteria.
- Sample(s) JB28972-6MS, JB28972-6MSD were used as the QC samples indicated.

Matrix: SO**Batch ID:** VX5787

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29283-11MS, JB29283-11MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Toluene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Methylcyclohexane, Carbon disulfide, Toluene are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for Carbon disulfide, Toluene are outside control limits for sample JB29283-11MSD. Outside control limits due to matrix interference.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ

Batch ID: OP63732

- All samples were extracted within the recommended method holding time.
- Sample(s) JB29017-6MS, JB29017-6MSD were used as the QC samples indicated.
- Sample(s) JB28972-8 have compound(s) reported with a "B" qualifier, indicating analyte is found in the associated method blank.
- 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. Outside control limits due to matrix interference.

Matrix: SO

Batch ID: OP63786

- All samples were extracted within the recommended method holding time.
- Sample(s) JB28972-5MS, JB28972-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Hexachloroethane are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for 2,4-Dinitrophenol, Anthracene, Atrazine, Benzaldehyde, Carbazole, Di-n-butyl phthalate, Di-n-octyl phthalate, Dibenzo(a,h)anthracene, Fluoranthene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, N-Nitrosodiphenylamine, Phenanthrene, Pyrene are outside control limits for sample OP63786-MSD. Outside of in house control limits.
- JB28972-6 for Nitrobenzene-d5: Outside of in house control limits.

Matrix: SO

Batch ID: OP63878

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB28913-11MS, JB28913-11MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Acetophenone, Benzaldehyde are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Benzaldehyde, 2-Methylnaphthalene, Hexachloroethane, Naphthalene are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for 1,1'-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 2-Chloronaphthalene, 2-Chlorophenol, 2-Methylnaphthalene, 2-Nitroaniline, 2-Nitrophenol, Acenaphthene, Acenaphthylene, Acetophenone, bis(2-Chloroethoxy)methane, bis(2-Chloroethyl)ether, bis(2-Chloroisopropyl)ether, Hexachlorobutadiene, Hexachlorocyclopentadiene, Hexachloroethane, Isophorone, N-Nitroso-di-n-propylamine, Naphthalene, Nitrobenzene are outside control limits for sample OP63878-MSD. Outside of in house control limits.

Matrix: SO

Batch ID: OP64030

- The data for SW846 8270D meets quality control requirements.
- The following samples were extracted outside of holding time for method SW846 8270D: JB28972-6
- Sample(s) JB28972-6 have surrogates outside control limits. Probable cause due to matrix interference.
- JB28972-6: Confirmation run.

Extractables by GC By Method SW846 8081B

Matrix: AQ

Batch ID: OP63832

- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Methoxychlor are outside control limits. Outside of in house control limits.
- JB28972-8R: Sample extracted outside the holding time per client's request.
- JB28972-11R: Sample extracted outside the holding time per client's request.

Matrix: SO

Batch ID: OP63866

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29023-10MS, JB29023-10MSD, OP63866-MSMSD were used as the QC samples indicated.
- JB28972-9R for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JB28972-9R for alpha-BHC: More than 40 % RPD for detected concentrations between the two GC columns.
- JB28972-9R for alpha-Chlordane: Reported from 2nd signal due to interference on 1st signal.
- JB28972-9R for Dieldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JB28972-9R for beta-BHC: More than 40 % RPD for detected concentrations between the two GC columns.

Extractables by GC By Method SW846 8082A

Matrix: AQ

Batch ID: OP63831

- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29293-1MS, JB29293-1MSD, OP63831-MSMSD were used as the QC samples indicated.
- JB28972-11R: Sample extracted outside the holding time per client's request.
- JB28972-8R: Sample extracted outside the holding time per client's request.

Matrix: SO

Batch ID: OP63865

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29023-10MS, JB29023-10MSD, OP63865-MSMSD were used as the QC samples indicated.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP69877

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Matrix: SO

Batch ID: MP70078

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29530-1MS, JB29530-1MSD, JB29530-1SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Aluminum, Antimony, Copper, Iron, Magnesium, Manganese, Sodium, Vanadium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony, Iron, Magnesium, Manganese, Sodium, Vanadium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Calcium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Serial Dilution for Arsenic, Beryllium, Cadmium, Silver are outside control limits for sample MP70078-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP70078-MB1 for Zinc: All reported results <RL or >10x MB value.

Metals By Method SW846 7470A

Matrix: AQ	Batch ID: MP70061

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Metals By Method SW846 7471B

Matrix: SO	Batch ID: MP70073

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB28974-5MSD, JB28974-5MS were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Mercury are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Wet Chemistry By Method SM2540 G-97

Matrix: SO	Batch ID: GN80247

- The data for SM2540 G-97 meets quality control requirements.

Matrix: SO	Batch ID: GN80261

- The data for SM2540 G-97 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

Summary of Hits

Job Number: JB28972

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/13/13 thru 02/15/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB28972-1	SB-16_8-10					
Cyclohexane ^a		86.7 J	390	9.7	ug/kg	SW846 8260B
Ethylbenzene ^a		226	78	20	ug/kg	SW846 8260B
Isopropylbenzene ^a		222 J	390	5.8	ug/kg	SW846 8260B
Methylcyclohexane ^a		547	390	13	ug/kg	SW846 8260B
Toluene ^a		32.9 J	78	8.2	ug/kg	SW846 8260B
m,p-Xylene ^a		156	78	14	ug/kg	SW846 8260B
o-Xylene ^a		44.8 J	78	11	ug/kg	SW846 8260B
Xylene (total) ^a		201	78	11	ug/kg	SW846 8260B
Total TIC, Volatile		45300 J			ug/kg	
Acenaphthene		260	38	11	ug/kg	SW846 8270D
Anthracene		358	38	13	ug/kg	SW846 8270D
Benzo(a)anthracene		593	38	12	ug/kg	SW846 8270D
Benzo(a)pyrene		645	38	11	ug/kg	SW846 8270D
Benzo(b)fluoranthene		647	38	13	ug/kg	SW846 8270D
Benzo(g,h,i)perylene		480	38	14	ug/kg	SW846 8270D
Benzo(k)fluoranthene		410	38	14	ug/kg	SW846 8270D
1,1'-Biphenyl		80.1	75	4.4	ug/kg	SW846 8270D
Chrysene		567	38	13	ug/kg	SW846 8270D
Dibenzo(a,h)anthracene		158	38	13	ug/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		190	75	33	ug/kg	SW846 8270D
Fluoranthene		1350	38	17	ug/kg	SW846 8270D
Fluorene		183	38	12	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		415	38	13	ug/kg	SW846 8270D
Naphthalene		150	38	10	ug/kg	SW846 8270D
Phenanthrene		835	38	17	ug/kg	SW846 8270D
Pyrene		1370	38	14	ug/kg	SW846 8270D
Total TIC, Semi-Volatile		45100 J			ug/kg	
Aluminum		13000	59		mg/kg	SW846 6010C
Arsenic		4.2	2.4		mg/kg	SW846 6010C
Barium		218	24		mg/kg	SW846 6010C
Beryllium		0.33	0.24		mg/kg	SW846 6010C
Cadmium		0.65	0.59		mg/kg	SW846 6010C
Calcium		12000	590		mg/kg	SW846 6010C
Chromium		34.0	1.2		mg/kg	SW846 6010C
Cobalt		9.9	5.9		mg/kg	SW846 6010C
Copper		86.8	3.0		mg/kg	SW846 6010C
Iron		29700	59		mg/kg	SW846 6010C
Lead		178	2.4		mg/kg	SW846 6010C
Magnesium		11200	590		mg/kg	SW846 6010C
Manganese		284	1.8		mg/kg	SW846 6010C
Mercury		0.066	0.036		mg/kg	SW846 7471B
Nickel		28.3	4.7		mg/kg	SW846 6010C
Potassium		7930	1200		mg/kg	SW846 6010C

Summary of Hits

Job Number: JB28972

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/13/13 thru 02/15/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

Sodium		2870	1200		mg/kg	SW846 6010C
Vanadium		42.3	5.9		mg/kg	SW846 6010C
Zinc		177	2.4		mg/kg	SW846 6010C

JB28972-2 SB-16_16-18

Acetone		37.2	15	2.5	ug/kg	SW846 8260B
Carbon disulfide		3.7 J	7.3	0.17	ug/kg	SW846 8260B
Ethylbenzene		0.43 J	1.5	0.38	ug/kg	SW846 8260B
Isopropylbenzene		0.32 J	7.3	0.11	ug/kg	SW846 8260B
Toluene		2.3	1.5	0.15	ug/kg	SW846 8260B
m,p-Xylene		0.96 J	1.5	0.25	ug/kg	SW846 8260B
o-Xylene		0.61 J	1.5	0.20	ug/kg	SW846 8260B
Xylene (total)		1.6	1.5	0.20	ug/kg	SW846 8260B
Total TIC, Volatile		7.4 J			ug/kg	
Acenaphthene		102	46	13	ug/kg	SW846 8270D
Acenaphthylene		134	46	15	ug/kg	SW846 8270D
Anthracene		520	46	16	ug/kg	SW846 8270D
Benzo(a)anthracene		1720	46	15	ug/kg	SW846 8270D
Benzo(a)pyrene		1830	46	14	ug/kg	SW846 8270D
Benzo(b)fluoranthene		1620	46	15	ug/kg	SW846 8270D
Benzo(g,h,i)perylene		1180	46	17	ug/kg	SW846 8270D
Benzo(k)fluoranthene		1250	46	17	ug/kg	SW846 8270D
Carbazole		127	92	21	ug/kg	SW846 8270D
Chrysene		1710	46	16	ug/kg	SW846 8270D
Dibenzo(a,h)anthracene		432	46	16	ug/kg	SW846 8270D
Dibenzofuran		55.5 J	92	14	ug/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		146	92	41	ug/kg	SW846 8270D
Fluoranthene		3350	46	20	ug/kg	SW846 8270D
Fluorene		146	46	15	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		1120	46	16	ug/kg	SW846 8270D
2-Methylnaphthalene		41.5 J	92	26	ug/kg	SW846 8270D
Naphthalene		23.9 J	46	13	ug/kg	SW846 8270D
Phenanthrene		1680	46	21	ug/kg	SW846 8270D
Pyrene		3150	46	18	ug/kg	SW846 8270D
Total TIC, Semi-Volatile		6920 J			ug/kg	
Aluminum		17900	50		mg/kg	SW846 6010C
Arsenic		5.1	2.0		mg/kg	SW846 6010C
Barium		201	20		mg/kg	SW846 6010C
Beryllium		0.39	0.20		mg/kg	SW846 6010C
Cadmium		0.77	0.50		mg/kg	SW846 6010C
Calcium		3190	500		mg/kg	SW846 6010C
Chromium		41.0	1.0		mg/kg	SW846 6010C
Cobalt		11.0	5.0		mg/kg	SW846 6010C
Copper		69.7	2.5		mg/kg	SW846 6010C

Summary of Hits

Job Number: JB28972

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/13/13 thru 02/15/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Iron		27900	50		mg/kg	SW846 6010C
Lead		275	2.0		mg/kg	SW846 6010C
Magnesium		7170	500		mg/kg	SW846 6010C
Manganese		289	1.5		mg/kg	SW846 6010C
Mercury		0.14	0.046		mg/kg	SW846 7471B
Nickel		32.5	4.0		mg/kg	SW846 6010C
Potassium		8460	1000		mg/kg	SW846 6010C
Sodium		4710	1000		mg/kg	SW846 6010C
Vanadium		53.4	5.0		mg/kg	SW846 6010C
Zinc		163	2.0		mg/kg	SW846 6010C

JB28972-3 SB-7_7-9

Acetone	158	13	2.2	ug/kg	SW846 8260B
Benzene	15.0	1.3	0.15	ug/kg	SW846 8260B
2-Butanone (MEK)	26.5	13	3.1	ug/kg	SW846 8260B
Carbon disulfide	0.78 J	6.5	0.15	ug/kg	SW846 8260B
Cyclohexane	2.5 J	6.5	0.16	ug/kg	SW846 8260B
Ethylbenzene	9.5	1.3	0.34	ug/kg	SW846 8260B
Isopropylbenzene	4.6 J	6.5	0.097	ug/kg	SW846 8260B
Methylcyclohexane	14.1	6.5	0.22	ug/kg	SW846 8260B
Methyl Tert Butyl Ether	57.1	1.3	0.31	ug/kg	SW846 8260B
Toluene	3.6	1.3	0.14	ug/kg	SW846 8260B
m,p-Xylene	6.1	1.3	0.23	ug/kg	SW846 8260B
o-Xylene	2.6	1.3	0.18	ug/kg	SW846 8260B
Xylene (total)	8.7	1.3	0.18	ug/kg	SW846 8260B
Total TIC, Volatile	1067 J			ug/kg	
bis(2-Ethylhexyl)phthalate	76.9	76	34	ug/kg	SW846 8270D
Fluoranthene	17.7 J	38	17	ug/kg	SW846 8270D
Phenanthrene	24.8 J	38	17	ug/kg	SW846 8270D
Pyrene	24.2 J	38	15	ug/kg	SW846 8270D
Total TIC, Semi-Volatile	3480 J			ug/kg	
Aluminum	15600	61		mg/kg	SW846 6010C
Arsenic	2.5	2.4		mg/kg	SW846 6010C
Barium	70.0	24		mg/kg	SW846 6010C
Beryllium	0.53	0.24		mg/kg	SW846 6010C
Calcium	1440	610		mg/kg	SW846 6010C
Chromium	24.5	1.2		mg/kg	SW846 6010C
Cobalt	6.9	6.1		mg/kg	SW846 6010C
Copper	20.2	3.0		mg/kg	SW846 6010C
Iron	17400	61		mg/kg	SW846 6010C
Lead	29.4	2.4		mg/kg	SW846 6010C
Magnesium	3830	610		mg/kg	SW846 6010C
Manganese	255	1.8		mg/kg	SW846 6010C
Mercury	0.17	0.036		mg/kg	SW846 7471B

Summary of Hits

Job Number: JB28972

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/13/13 thru 02/15/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

Nickel		23.7	4.8		mg/kg	SW846 6010C
Potassium		2520	1200		mg/kg	SW846 6010C
Vanadium		30.3	6.1		mg/kg	SW846 6010C
Zinc		48.7	2.4		mg/kg	SW846 6010C

JB28972-4 SB-7_10-12

Acetone		34.5	12	2.1	ug/kg	SW846 8260B
Benzene		0.51 J	1.2	0.15	ug/kg	SW846 8260B
Carbon disulfide		0.39 J	6.2	0.15	ug/kg	SW846 8260B
Methyl Tert Butyl Ether		16.0	1.2	0.29	ug/kg	SW846 8260B
Toluene		0.35 J	1.2	0.13	ug/kg	SW846 8260B
m,p-Xylene		0.36 J	1.2	0.22	ug/kg	SW846 8260B
Xylene (total)		0.36 J	1.2	0.17	ug/kg	SW846 8260B
Benzo(a)anthracene		17.7 J	37	12	ug/kg	SW846 8270D
Benzo(a)pyrene		18.0 J	37	11	ug/kg	SW846 8270D
Benzo(b)fluoranthene		16.6 J	37	12	ug/kg	SW846 8270D
Chrysene		16.6 J	37	13	ug/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		105	74	33	ug/kg	SW846 8270D
Fluoranthene		22.4 J	37	16	ug/kg	SW846 8270D
Pyrene		22.7 J	37	14	ug/kg	SW846 8270D
Total TIC, Semi-Volatile		22140 J			ug/kg	
Aluminum		17500	62		mg/kg	SW846 6010C
Arsenic		4.9	2.5		mg/kg	SW846 6010C
Barium		41.1	25		mg/kg	SW846 6010C
Beryllium		0.49	0.25		mg/kg	SW846 6010C
Chromium		22.3	1.2		mg/kg	SW846 6010C
Copper		11.2	3.1		mg/kg	SW846 6010C
Iron		18300	62		mg/kg	SW846 6010C
Lead		11.0	2.5		mg/kg	SW846 6010C
Magnesium		3470	620		mg/kg	SW846 6010C
Manganese		96.9	1.9		mg/kg	SW846 6010C
Nickel		12.1	5.0		mg/kg	SW846 6010C
Potassium		1550	1200		mg/kg	SW846 6010C
Vanadium		34.4	6.2		mg/kg	SW846 6010C
Zinc		39.6	2.5		mg/kg	SW846 6010C

JB28972-5 SB-5_10-12

Isopropylbenzene ^a		34.8 J	410	6.1	ug/kg	SW846 8260B
Methylcyclohexane ^a		102 J	410	14	ug/kg	SW846 8260B
Total TIC, Volatile		15750 J			ug/kg	
Acenaphthene		52.3	39	11	ug/kg	SW846 8270D
Anthracene		23.0 J	39	14	ug/kg	SW846 8270D
Dibenzofuran		49.3 J	78	12	ug/kg	SW846 8270D

Summary of Hits

Job Number: JB28972

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/13/13 thru 02/15/13



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
bis(2-Ethylhexyl)phthalate		134	78	35	ug/kg	SW846 8270D
Fluoranthene		22.3 J	39	17	ug/kg	SW846 8270D
Fluorene		115	39	13	ug/kg	SW846 8270D
Phenanthrene		255	39	18	ug/kg	SW846 8270D
Pyrene		75.9	39	15	ug/kg	SW846 8270D
Total TIC, Semi-Volatile		15300 J			ug/kg	
Aluminum		18600	63		mg/kg	SW846 6010C
Arsenic		4.9	2.5		mg/kg	SW846 6010C
Barium		30.8	25		mg/kg	SW846 6010C
Beryllium		0.51	0.25		mg/kg	SW846 6010C
Chromium		21.0	1.3		mg/kg	SW846 6010C
Copper		10.9	3.2		mg/kg	SW846 6010C
Iron		20300	63		mg/kg	SW846 6010C
Lead		11.3	2.5		mg/kg	SW846 6010C
Magnesium		3570	630		mg/kg	SW846 6010C
Manganese		172	1.9		mg/kg	SW846 6010C
Nickel		13.1	5.1		mg/kg	SW846 6010C
Potassium		1330	1300		mg/kg	SW846 6010C
Vanadium		34.4	6.3		mg/kg	SW846 6010C
Zinc		37.9	2.5		mg/kg	SW846 6010C

JB28972-5R SB-5_10-12

No hits reported in this sample.

JB28972-6 SB-5_13-15

Acetone	21.6	12	2.0	ug/kg	SW846 8260B
Isopropylbenzene	0.31 J	5.9	0.087	ug/kg	SW846 8260B
Methylcyclohexane	0.81 J	5.9	0.20	ug/kg	SW846 8260B
Toluene	0.55 J	1.2	0.12	ug/kg	SW846 8260B
Total TIC, Volatile	193 J			ug/kg	
bis(2-Ethylhexyl)phthalate	91.5	77	34	ug/kg	SW846 8270D
Total TIC, Semi-Volatile	220 J			ug/kg	
Aluminum	12500	50		mg/kg	SW846 6010C
Arsenic	3.8	2.0		mg/kg	SW846 6010C
Barium	25.4	20		mg/kg	SW846 6010C
Beryllium	0.54	0.20		mg/kg	SW846 6010C
Calcium	1290	500		mg/kg	SW846 6010C
Chromium	18.2	1.0		mg/kg	SW846 6010C
Cobalt	6.5	5.0		mg/kg	SW846 6010C
Copper	15.6	2.5		mg/kg	SW846 6010C
Iron	18700	50		mg/kg	SW846 6010C
Lead	8.1	2.0		mg/kg	SW846 6010C
Magnesium	3510	500		mg/kg	SW846 6010C

Summary of Hits

Job Number: JB28972

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/13/13 thru 02/15/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Manganese		188	1.5		mg/kg	SW846 6010C
Nickel		16.1	4.0		mg/kg	SW846 6010C
Potassium		1640	1000		mg/kg	SW846 6010C
Vanadium		29.1	5.0		mg/kg	SW846 6010C
Zinc		35.9	2.0		mg/kg	SW846 6010C

JB28972-7 DUP_21313

Acetone	14.8	13	2.2	ug/kg	SW846 8260B
Carbon disulfide	1.6 J	6.4	0.15	ug/kg	SW846 8260B
Isopropylbenzene	0.34 J	6.4	0.095	ug/kg	SW846 8260B
Methylcyclohexane	0.49 J	6.4	0.22	ug/kg	SW846 8260B
Toluene	0.82 J	1.3	0.13	ug/kg	SW846 8260B
m,p-Xylene	0.46 J	1.3	0.22	ug/kg	SW846 8260B
Xylene (total)	0.46 J	1.3	0.18	ug/kg	SW846 8260B
Acenaphthene	107	40	11	ug/kg	SW846 8270D
Acenaphthylene	77.5	40	13	ug/kg	SW846 8270D
Anthracene	357	40	14	ug/kg	SW846 8270D
Benzo(a)anthracene	933	40	13	ug/kg	SW846 8270D
Benzo(a)pyrene	1190	40	12	ug/kg	SW846 8270D
Benzo(b)fluoranthene	1130	40	13	ug/kg	SW846 8270D
Benzo(g,h,i)perylene	826	40	15	ug/kg	SW846 8270D
Benzo(k)fluoranthene	717	40	15	ug/kg	SW846 8270D
Carbazole	107	79	18	ug/kg	SW846 8270D
Chrysene	1000	40	13	ug/kg	SW846 8270D
Dibenzo(a,h)anthracene	272	40	14	ug/kg	SW846 8270D
Dibenzofuran	48.6 J	79	12	ug/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate	146	79	35	ug/kg	SW846 8270D
Fluoranthene	2040	40	17	ug/kg	SW846 8270D
Fluorene	122	40	13	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	763	40	14	ug/kg	SW846 8270D
2-Methylnaphthalene	24.9 J	79	22	ug/kg	SW846 8270D
Naphthalene	30.5 J	40	11	ug/kg	SW846 8270D
Phenanthrene	1090	40	18	ug/kg	SW846 8270D
Pyrene	1850	40	15	ug/kg	SW846 8270D
Total TIC, Semi-Volatile	4470 J			ug/kg	
Aluminum	12600	51		mg/kg	SW846 6010C
Arsenic	2.7	2.0		mg/kg	SW846 6010C
Barium	145	20		mg/kg	SW846 6010C
Beryllium	0.31	0.20		mg/kg	SW846 6010C
Calcium	1710	510		mg/kg	SW846 6010C
Chromium	27.0	1.0		mg/kg	SW846 6010C
Cobalt	7.2	5.1		mg/kg	SW846 6010C
Copper	33.7	2.5		mg/kg	SW846 6010C
Iron	19400	51		mg/kg	SW846 6010C

Summary of Hits

Job Number: JB28972

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/13/13 thru 02/15/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Lead		61.6	2.0		mg/kg	SW846 6010C
Magnesium		5110	510		mg/kg	SW846 6010C
Manganese		159	1.5		mg/kg	SW846 6010C
Mercury		0.10	0.041		mg/kg	SW846 7471B
Nickel		20.2	4.1		mg/kg	SW846 6010C
Potassium		6900	1000		mg/kg	SW846 6010C
Sodium		2960	1000		mg/kg	SW846 6010C
Vanadium		35.6	5.1		mg/kg	SW846 6010C
Zinc		88.6	2.0		mg/kg	SW846 6010C

JB28972-8 FB_21313

bis(2-Chloroethyl)ether	1.2 BJ	2.0	0.31	ug/l	SW846 8270D

JB28972-8R FB_21313

No hits reported in this sample.

JB28972-9 SB-3_0-2

Acetone	28.9	13	2.2	ug/kg	SW846 8260B
Ethylbenzene	1.3	1.3	0.34	ug/kg	SW846 8260B
Isopropylbenzene	0.31 J	6.6	0.097	ug/kg	SW846 8260B
Tetrachloroethene	0.68 J	6.6	0.23	ug/kg	SW846 8260B
Toluene	1.3	1.3	0.14	ug/kg	SW846 8260B
m,p-Xylene	0.71 J	1.3	0.23	ug/kg	SW846 8260B
o-Xylene	0.50 J	1.3	0.18	ug/kg	SW846 8260B
Xylene (total)	1.2 J	1.3	0.18	ug/kg	SW846 8260B
Benzo(a)anthracene	44.7	34	11	ug/kg	SW846 8270D
Benzo(a)pyrene	42.9	34	11	ug/kg	SW846 8270D
Benzo(b)fluoranthene	57.4	34	12	ug/kg	SW846 8270D
Benzo(g,h,i)perylene	73.9	34	13	ug/kg	SW846 8270D
Benzo(k)fluoranthene	23.6 J	34	13	ug/kg	SW846 8270D
Chrysene	48.5	34	12	ug/kg	SW846 8270D
Fluoranthene	60.5	34	15	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	40.9	34	12	ug/kg	SW846 8270D
2-Methylnaphthalene	59.7 J	69	19	ug/kg	SW846 8270D
Naphthalene	19.5 J	34	9.4	ug/kg	SW846 8270D
Phenanthrene	50.1	34	16	ug/kg	SW846 8270D
Pyrene	64.4	34	13	ug/kg	SW846 8270D
Total TIC, Semi-Volatile	3120 J			ug/kg	
Aluminum	7880	54		mg/kg	SW846 6010C
Arsenic	2.4	2.2		mg/kg	SW846 6010C
Barium	81.2	22		mg/kg	SW846 6010C
Calcium	42000	540		mg/kg	SW846 6010C

Summary of Hits

Job Number: JB28972

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/13/13 thru 02/15/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chromium		10.3	1.1		mg/kg	SW846 6010C
Copper		22.5	2.7		mg/kg	SW846 6010C
Iron		13300	54		mg/kg	SW846 6010C
Lead		43.0	2.2		mg/kg	SW846 6010C
Magnesium		26900	540		mg/kg	SW846 6010C
Manganese		156	1.6		mg/kg	SW846 6010C
Mercury		0.043	0.035		mg/kg	SW846 7471B
Nickel		12.4	4.3		mg/kg	SW846 6010C
Potassium		4290	1100		mg/kg	SW846 6010C
Vanadium		27.0	5.4		mg/kg	SW846 6010C
Zinc		56.8	2.2		mg/kg	SW846 6010C

JB28972-9R SB-3_0-2

alpha-BHC ^b	1.1	0.69	0.21	ug/kg	SW846 8081B
beta-BHC ^b	1.2	0.69	0.43	ug/kg	SW846 8081B
delta-BHC	1.5	0.69	0.34	ug/kg	SW846 8081B
gamma-BHC (Lindane)	1.1	0.69	0.34	ug/kg	SW846 8081B
alpha-Chlordane ^c	1.4	0.69	0.26	ug/kg	SW846 8081B
gamma-Chlordane	2.0	0.69	0.48	ug/kg	SW846 8081B
Dieldrin ^b	1.2	0.69	0.27	ug/kg	SW846 8081B
4,4'-DDD	8.7	0.69	0.38	ug/kg	SW846 8081B
4,4'-DDE	3.4	0.69	0.28	ug/kg	SW846 8081B
4,4'-DDT ^b	2.5	0.69	0.34	ug/kg	SW846 8081B
Heptachlor epoxide	1.3	0.69	0.26	ug/kg	SW846 8081B
Aroclor 1260	68.0	35	11	ug/kg	SW846 8082A

JB28972-10 SB-4_0-2

Benzene ^d	25.4 J	65	7.7	ug/kg	SW846 8260B
Chlorobenzene ^d	445	320	7.0	ug/kg	SW846 8260B
Cyclohexane ^d	285 J	320	8.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene ^d	59.3 J	320	12	ug/kg	SW846 8260B
1,3-Dichlorobenzene ^d	13.8 J	320	12	ug/kg	SW846 8260B
1,4-Dichlorobenzene ^d	110 J	320	11	ug/kg	SW846 8260B
Ethylbenzene ^d	149	65	17	ug/kg	SW846 8260B
Isopropylbenzene ^d	695	320	4.8	ug/kg	SW846 8260B
Methylcyclohexane ^d	3260	320	11	ug/kg	SW846 8260B
Toluene ^d	148	65	6.8	ug/kg	SW846 8260B
m,p-Xylene ^d	665	65	11	ug/kg	SW846 8260B
o-Xylene ^d	257	65	9.0	ug/kg	SW846 8260B
Xylene (total) ^d	922	65	9.0	ug/kg	SW846 8260B
Total TIC, Volatile	112000 J			ug/kg	
Acenaphthene	331	69	20	ug/kg	SW846 8270D
Acenaphthylene	125	69	22	ug/kg	SW846 8270D

Summary of Hits

Job Number: JB28972

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/13/13 thru 02/15/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Anthracene		553	69	24	ug/kg	SW846 8270D
Benzo(a)anthracene		1050	69	22	ug/kg	SW846 8270D
Benzo(a)pyrene		977	69	21	ug/kg	SW846 8270D
Benzo(b)fluoranthene		1060	69	23	ug/kg	SW846 8270D
Benzo(g,h,i)perylene		627	69	26	ug/kg	SW846 8270D
Benzo(k)fluoranthene		584	69	26	ug/kg	SW846 8270D
Carbazole		191	140	32	ug/kg	SW846 8270D
Chrysene		1090	69	23	ug/kg	SW846 8270D
Dibenzo(a,h)anthracene		172	69	23	ug/kg	SW846 8270D
Dibenzofuran		160	140	20	ug/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		577	140	61	ug/kg	SW846 8270D
Fluoranthene		3000	69	30	ug/kg	SW846 8270D
Fluorene		407	69	23	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		517	69	24	ug/kg	SW846 8270D
2-Methylnaphthalene		1970	140	38	ug/kg	SW846 8270D
Phenanthrene		2000	69	31	ug/kg	SW846 8270D
Pyrene		2350	69	26	ug/kg	SW846 8270D
Total TIC, Semi-Volatile		101300 J			ug/kg	
Aluminum		8830	53		mg/kg	SW846 6010C
Arsenic		11.3	2.1		mg/kg	SW846 6010C
Barium		175	21		mg/kg	SW846 6010C
Beryllium		0.30	0.21		mg/kg	SW846 6010C
Cadmium		1.5	0.53		mg/kg	SW846 6010C
Calcium		15200	530		mg/kg	SW846 6010C
Chromium		23.4	1.1		mg/kg	SW846 6010C
Cobalt		5.8	5.3		mg/kg	SW846 6010C
Copper		65.8	2.7		mg/kg	SW846 6010C
Iron		16600	53		mg/kg	SW846 6010C
Lead		423	2.1		mg/kg	SW846 6010C
Magnesium		11000	530		mg/kg	SW846 6010C
Manganese		172	1.6		mg/kg	SW846 6010C
Mercury		0.11	0.031		mg/kg	SW846 7471B
Nickel		20.6	4.3		mg/kg	SW846 6010C
Potassium		3940	1100		mg/kg	SW846 6010C
Vanadium		35.2	5.3		mg/kg	SW846 6010C
Zinc		116	2.1		mg/kg	SW846 6010C

JB28972-11 FB_21413

No hits reported in this sample.

JB28972-11R FB_21413

No hits reported in this sample.

Summary of Hits

Job Number: JB28972

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/13/13 thru 02/15/13

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

JB28972-12 **TRIP BLANK**

No hits reported in this sample.

JB28972-13 **SBA-1_0-2**

Benzo(a)anthracene	28.3 J	37	12	ug/kg	SW846 8270D
Benzo(a)pyrene	22.4 J	37	11	ug/kg	SW846 8270D
Benzo(b)fluoranthene	34.1 J	37	12	ug/kg	SW846 8270D
Benzo(g,h,i)perylene	19.4 J	37	14	ug/kg	SW846 8270D
Benzo(k)fluoranthene	14.5 J	37	14	ug/kg	SW846 8270D
Chrysene	25.1 J	37	12	ug/kg	SW846 8270D
Fluoranthene	46.0	37	16	ug/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	20.0 J	37	13	ug/kg	SW846 8270D
Pyrene	46.8	37	14	ug/kg	SW846 8270D
Total TIC, Semi-Volatile	320 J			ug/kg	
Aluminum	16900	58		mg/kg	SW846 6010C
Barium	149	23		mg/kg	SW846 6010C
Beryllium	0.46	0.23		mg/kg	SW846 6010C
Calcium	8290	580		mg/kg	SW846 6010C
Chromium	25.3	1.2		mg/kg	SW846 6010C
Cobalt	8.9	5.8		mg/kg	SW846 6010C
Copper	37.1	2.9		mg/kg	SW846 6010C
Iron	23500	58		mg/kg	SW846 6010C
Lead	14.3	2.3		mg/kg	SW846 6010C
Magnesium	5710	580		mg/kg	SW846 6010C
Manganese	301	1.7		mg/kg	SW846 6010C
Nickel	18.9	4.6		mg/kg	SW846 6010C
Potassium	7220	1200		mg/kg	SW846 6010C
Vanadium	39.7	5.8		mg/kg	SW846 6010C
Zinc	95.7	2.3		mg/kg	SW846 6010C

(a) Dilution required due to sample matrix.

(b) More than 40 % RPD for detected concentrations between the two GC columns.

(c) Reported from 2nd signal due to interference on 1st signal.

(d) Dilution required due to matrix interference.

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 3

Client Sample ID:	SB-16_8-10	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-1	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	85.1
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D205678.D	1	02/21/13	ET	n/a	n/a	VD8390
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	8.5 g	10.0 ml	100 ul
Run #2			

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	780	130	ug/kg	
71-43-2	Benzene	ND	78	9.3	ug/kg	
74-97-5	Bromochloromethane	ND	390	21	ug/kg	
75-27-4	Bromodichloromethane	ND	390	8.2	ug/kg	
75-25-2	Bromoform	ND	390	12	ug/kg	
74-83-9	Bromomethane	ND	390	21	ug/kg	
78-93-3	2-Butanone (MEK)	ND	780	190	ug/kg	
75-15-0	Carbon disulfide	ND	390	9.1	ug/kg	
56-23-5	Carbon tetrachloride	ND	390	10	ug/kg	
108-90-7	Chlorobenzene	ND	390	8.4	ug/kg	
75-00-3	Chloroethane	ND	390	18	ug/kg	
67-66-3	Chloroform	ND	390	6.4	ug/kg	
74-87-3	Chloromethane	ND	390	14	ug/kg	
110-82-7	Cyclohexane	86.7	390	9.7	ug/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	780	69	ug/kg	
124-48-1	Dibromochloromethane	ND	390	13	ug/kg	
106-93-4	1,2-Dibromoethane	ND	78	9.9	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	390	15	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	390	15	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	390	14	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	390	18	ug/kg	
75-34-3	1,1-Dichloroethane	ND	390	11	ug/kg	
107-06-2	1,2-Dichloroethane	ND	78	11	ug/kg	
75-35-4	1,1-Dichloroethene	ND	390	20	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	390	14	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	390	19	ug/kg	
78-87-5	1,2-Dichloropropane	ND	390	12	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	390	11	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	390	12	ug/kg	
123-91-1	1,4-Dioxane	ND	9700	4600	ug/kg	
100-41-4	Ethylbenzene	226	78	20	ug/kg	
76-13-1	Freon 113	ND	390	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

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Client Sample ID:	SB-16_8-10	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-1	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	85.1
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	390	48	ug/kg	
98-82-8	Isopropylbenzene	222	390	5.8	ug/kg	J
79-20-9	Methyl Acetate	ND	390	200	ug/kg	
108-87-2	Methylcyclohexane	547	390	13	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	78	18	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	390	58	ug/kg	
75-09-2	Methylene chloride	ND	390	99	ug/kg	
100-42-5	Styrene	ND	390	7.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	390	10	ug/kg	
127-18-4	Tetrachloroethene	ND	390	13	ug/kg	
108-88-3	Toluene	32.9	78	8.2	ug/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	390	13	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	390	11	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	390	8.3	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	390	14	ug/kg	
79-01-6	Trichloroethene	ND	390	14	ug/kg	
75-69-4	Trichlorofluoromethane	ND	390	23	ug/kg	
75-01-4	Vinyl chloride	ND	390	11	ug/kg	
	m,p-Xylene	156	78	14	ug/kg	
95-47-6	o-Xylene	44.8	78	11	ug/kg	J
1330-20-7	Xylene (total)	201	78	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
17060-07-0	1,2-Dichloroethane-D4	104%		70-122%
2037-26-5	Toluene-D8	104%		81-127%
460-00-4	4-Bromofluorobenzene	101%		66-132%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	alkane	10.86	3900	ug/kg	J
	alkane	12.19	2700	ug/kg	J
	alkane	12.34	4300	ug/kg	J
	Naphthalene decahydro-	17.54	2600	ug/kg	J
	C4 alkyl benzene	18.26	4700	ug/kg	J
	Naphthalene decahydro-methyl	18.48	2100	ug/kg	J
	C5 alkyl benzene	18.71	2800	ug/kg	J
	C4 alkyl benzene	18.84	2500	ug/kg	J
	1H-indene-dihydro-methyl	18.89	2700	ug/kg	J

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Report of Analysis

Page 3 of 3

Client Sample ID:	SB-16_8-10	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-1	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	85.1
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	19.10	2200	ug/kg	J
	C5 alkyl benzene	19.21	4400	ug/kg	J
	C5 alkyl benzene	19.36	2100	ug/kg	J
	1H-Indene-dihydro-dimethyl	19.41	2400	ug/kg	J
	Naphthalene tetrahydro-methyl	19.74	2400	ug/kg	J
	1H-indene-dihydro-dimethyl	19.86	3500	ug/kg	J
	Total TIC, Volatile		45300	ug/kg	J

(a) Dilution required due to sample matrix.

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:	SB-16_8-10	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-1	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	85.1
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F20934.D	1	02/27/13	NAP	02/22/13	OP63786	EF5090
Run #2							

Run #	Initial Weight	Final Volume
Run #1	31.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

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	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	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	260	38	11	ug/kg	
208-96-8	Acenaphthylene	ND	38	12	ug/kg	
98-86-2	Acetophenone	ND	190	6.6	ug/kg	
120-12-7	Anthracene	358	38	13	ug/kg	
1912-24-9	Atrazine	ND	190	7.4	ug/kg	
56-55-3	Benzo(a)anthracene	593	38	12	ug/kg	
50-32-8	Benzo(a)pyrene	645	38	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	647	38	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	480	38	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	410	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	
92-52-4	1,1'-Biphenyl	80.1	75	4.4	ug/kg	
100-52-7	Benzaldehyde	ND	190	8.6	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	ND	75	17	ug/kg	

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-16_8-10	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-1	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	85.1
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	75	12	ug/kg	
218-01-9	Chrysene	567	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	
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	158	38	13	ug/kg	
132-64-9	Dibenzofuran	ND	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	190	75	33	ug/kg	
206-44-0	Fluoranthene	1350	38	17	ug/kg	
86-73-7	Fluorene	183	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	380	38	ug/kg	
67-72-1	Hexachloroethane	ND	190	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	415	38	13	ug/kg	
78-59-1	Isophorone	ND	75	10	ug/kg	
91-57-6	2-Methylnaphthalene	ND	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	150	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	835	38	17	ug/kg	
129-00-0	Pyrene	1370	38	14	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		21-116%
4165-62-2	Phenol-d5	61%		19-117%

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Report of Analysis

Page 3 of 3

Client Sample ID:	SB-16_8-10	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-1	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	85.1
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	68%		24-136%
4165-60-0	Nitrobenzene-d5	63%		21-122%
321-60-8	2-Fluorobiphenyl	60%		30-117%
1718-51-0	Terphenyl-d14	69%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.06	5100	ug/kg	J
	C4 alkyl benzene	5.87	1700	ug/kg	J
	unknown	6.69	1300	ug/kg	J
	alkane	6.77	1300	ug/kg	J
	Cyclohexane alkyl	7.07	1200	ug/kg	J
	alkane	7.33	2800	ug/kg	J
	unknown	7.64	1600	ug/kg	J
90-12-0	Naphthalene, 1-methyl-	7.85	2200	ug/kg	JN
	unknown	8.11	1700	ug/kg	J
	unknown	8.24	1200	ug/kg	J
	Naphthalene dimethyl	8.68	1800	ug/kg	J
	Naphthalene dimethyl	8.82	2100	ug/kg	J
	unknown	8.96	1400	ug/kg	J
	unknown	9.03	3600	ug/kg	J
	Naphthalene dimethyl	9.13	1200	ug/kg	J
	Decahydro--pentamethylna	9.20	1600	ug/kg	J
	unknown	9.46	1200	ug/kg	J
	Naphthalene trimethyl	9.53	1300	ug/kg	J
	Naphthalene trimethyl	9.71	2300	ug/kg	J
	Naphthalene trimethyl	9.76	1700	ug/kg	J
	Naphthalene trimethyl	9.90	3000	ug/kg	J
	unknown	10.51	2100	ug/kg	J
	unknown	10.69	1300	ug/kg	J
	unknown	10.87	1200	ug/kg	J
	unknown	11.16	2000	ug/kg	J
	unknown	11.36	1200	ug/kg	J
	Phenanthrene, -dimethyl-	13.03	1100	ug/kg	J
	Total TIC, Semi-Volatile		45100	ug/kg	J

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Report of Analysis

Page 1 of 1

Client Sample ID:	SB-16_8-10	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-1	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	85.1
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	13000	59	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Antimony	< 2.4	2.4	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Arsenic	4.2	2.4	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Barium	218	24	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	0.33	0.24	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	0.65	0.59	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Calcium	12000	590	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	34.0	1.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cobalt	9.9	5.9	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Copper	86.8	3.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Iron	29700	59	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Lead	178	2.4	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Magnesium	11200	590	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	284	1.8	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	0.066	0.036	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹ SW846 7471B ³
Nickel	28.3	4.7	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Potassium	7930	1200	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.4	2.4	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Silver	< 0.59	0.59	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Sodium	2870	1200	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Thallium	< 1.2	1.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Vanadium	42.3	5.9	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	177	2.4	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30595

(3) Prep QC Batch: MP70073

(4) Prep QC Batch: MP70078

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	SB-16_16-18	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-2	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	71.7
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A191981.D	1	02/25/13	OTR	n/a	n/a	VA7227
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	37.2	15	2.5	ug/kg	
71-43-2	Benzene	ND	1.5	0.17	ug/kg	
74-97-5	Bromochloromethane	ND	7.3	0.38	ug/kg	
75-27-4	Bromodichloromethane	ND	7.3	0.15	ug/kg	
75-25-2	Bromoform	ND	7.3	0.22	ug/kg	
74-83-9	Bromomethane	ND	7.3	0.40	ug/kg	
78-93-3	2-Butanone (MEK)	ND	15	3.5	ug/kg	
75-15-0	Carbon disulfide	3.7	7.3	0.17	ug/kg	J
56-23-5	Carbon tetrachloride	ND	7.3	0.19	ug/kg	
108-90-7	Chlorobenzene	ND	7.3	0.16	ug/kg	
75-00-3	Chloroethane	ND	7.3	0.33	ug/kg	
67-66-3	Chloroform	ND	7.3	0.12	ug/kg	
74-87-3	Chloromethane	ND	7.3	0.27	ug/kg	
110-82-7	Cyclohexane	ND	7.3	0.18	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	15	1.3	ug/kg	
124-48-1	Dibromochloromethane	ND	7.3	0.24	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.5	0.18	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	7.3	0.27	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	7.3	0.27	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	7.3	0.26	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	7.3	0.33	ug/kg	
75-34-3	1,1-Dichloroethane	ND	7.3	0.20	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.5	0.20	ug/kg	
75-35-4	1,1-Dichloroethene	ND	7.3	0.37	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	7.3	0.27	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	7.3	0.35	ug/kg	
78-87-5	1,2-Dichloropropane	ND	7.3	0.22	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	7.3	0.20	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	7.3	0.23	ug/kg	
123-91-1	1,4-Dioxane	ND	180	86	ug/kg	
100-41-4	Ethylbenzene	0.43	1.5	0.38	ug/kg	J
76-13-1	Freon 113	ND	7.3	0.62	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:	SB-16_16-18	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-2	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	71.7
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	7.3	0.90	ug/kg	
98-82-8	Isopropylbenzene	0.32	7.3	0.11	ug/kg	J
79-20-9	Methyl Acetate	ND	7.3	3.8	ug/kg	
108-87-2	Methylcyclohexane	ND	7.3	0.25	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.5	0.34	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.3	1.1	ug/kg	
75-09-2	Methylene chloride	ND	7.3	1.8	ug/kg	
100-42-5	Styrene	ND	7.3	0.13	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	7.3	0.19	ug/kg	
127-18-4	Tetrachloroethene	ND	7.3	0.25	ug/kg	
108-88-3	Toluene	2.3	1.5	0.15	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.3	0.24	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.3	0.20	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	7.3	0.15	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	7.3	0.25	ug/kg	
79-01-6	Trichloroethene	ND	7.3	0.25	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.3	0.43	ug/kg	
75-01-4	Vinyl chloride	ND	7.3	0.21	ug/kg	
	m,p-Xylene	0.96	1.5	0.25	ug/kg	J
95-47-6	o-Xylene	0.61	1.5	0.20	ug/kg	J
1330-20-7	Xylene (total)	1.6	1.5	0.20	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
17060-07-0	1,2-Dichloroethane-D4	80%		70-122%
2037-26-5	Toluene-D8	106%		81-127%
460-00-4	4-Bromofluorobenzene	102%		66-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkane	9.89	7.4	ug/kg	J
	Total TIC, Volatile		7.4	ug/kg	J

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J = Indicates an estimated value

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Report of Analysis

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Client Sample ID:	SB-16_16-18	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-2	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	71.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F20944.D	1	02/28/13	NAP	02/22/13	OP63786	EF5090
Run #2							

Run #	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	230	46	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	230	46	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	230	74	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	230	77	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	920	56	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	920	56	ug/kg	
95-48-7	2-Methylphenol	ND	92	52	ug/kg	
	3&4-Methylphenol	ND	92	58	ug/kg	
88-75-5	2-Nitrophenol	ND	230	49	ug/kg	
100-02-7	4-Nitrophenol	ND	460	78	ug/kg	
87-86-5	Pentachlorophenol	ND	460	79	ug/kg	
108-95-2	Phenol	ND	92	48	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	230	47	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	230	53	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	230	43	ug/kg	
83-32-9	Acenaphthene	102	46	13	ug/kg	
208-96-8	Acenaphthylene	134	46	15	ug/kg	
98-86-2	Acetophenone	ND	230	8.1	ug/kg	
120-12-7	Anthracene	520	46	16	ug/kg	
1912-24-9	Atrazine	ND	230	9.1	ug/kg	
56-55-3	Benzo(a)anthracene	1720	46	15	ug/kg	
50-32-8	Benzo(a)pyrene	1830	46	14	ug/kg	
205-99-2	Benzo(b)fluoranthene	1620	46	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1180	46	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	1250	46	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	92	17	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	92	27	ug/kg	
92-52-4	1,1'-Biphenyl	ND	92	5.3	ug/kg	
100-52-7	Benzaldehyde	ND	230	11	ug/kg	
91-58-7	2-Chloronaphthalene	ND	92	14	ug/kg	
106-47-8	4-Chloroaniline	ND	230	15	ug/kg	
86-74-8	Carbazole	127	92	21	ug/kg	

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Report of Analysis

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Client Sample ID:	SB-16_16-18	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-2	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	71.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	92	14	ug/kg	
218-01-9	Chrysene	1710	46	16	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	92	19	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	92	14	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	92	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	92	14	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	92	20	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	92	18	ug/kg	
91-94-1	3,3' -Dichlorobenzidine	ND	230	12	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	432	46	16	ug/kg	
132-64-9	Dibenzofuran	55.5	92	14	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	92	10	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	92	22	ug/kg	
84-66-2	Diethyl phthalate	ND	92	16	ug/kg	
131-11-3	Dimethyl phthalate	ND	92	16	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	146	92	41	ug/kg	
206-44-0	Fluoranthene	3350	46	20	ug/kg	
86-73-7	Fluorene	146	46	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	92	15	ug/kg	
87-68-3	Hexachlorobutadiene	ND	46	13	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	460	47	ug/kg	
67-72-1	Hexachloroethane	ND	230	13	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1120	46	16	ug/kg	
78-59-1	Isophorone	ND	92	12	ug/kg	
91-57-6	2-Methylnaphthalene	41.5	92	26	ug/kg	J
88-74-4	2-Nitroaniline	ND	230	20	ug/kg	
99-09-2	3-Nitroaniline	ND	230	18	ug/kg	
100-01-6	4-Nitroaniline	ND	230	18	ug/kg	
91-20-3	Naphthalene	23.9	46	13	ug/kg	J
98-95-3	Nitrobenzene	ND	92	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	92	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	230	27	ug/kg	
85-01-8	Phenanthrene	1680	46	21	ug/kg	
129-00-0	Pyrene	3150	46	18	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	230	14	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		21-116%
4165-62-2	Phenol-d5	56%		19-117%

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Report of Analysis

Page 3 of 3

Client Sample ID:	SB-16_16-18	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-2	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	71.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	71%		24-136%
4165-60-0	Nitrobenzene-d5	52%		21-122%
321-60-8	2-Fluorobiphenyl	58%		30-117%
1718-51-0	Terphenyl-d14	66%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.08	470	ug/kg	J
	system artifact	2.87	230	ug/kg	J
	system artifact/aldol-condensation	3.06	5600	ug/kg	J
	C3 alkyl benzene	3.89	250	ug/kg	J
	system artifact	3.93	740	ug/kg	J
	system artifact	4.07	300	ug/kg	J
	system artifact	4.70	460	ug/kg	J
	unknown	8.87	260	ug/kg	J
	unknown	9.18	210	ug/kg	J
	unknown	12.14	210	ug/kg	J
	Phenanthrene, methyl	12.38	330	ug/kg	J
	Anthracene,-methyl-	12.41	420	ug/kg	J
	Anthracene, -methyl-	12.46	210	ug/kg	J
	unknown	12.52	1000	ug/kg	J
	unknown	12.55	220	ug/kg	J
	unknown	12.77	290	ug/kg	J
	unknown	13.02	210	ug/kg	J
	Phenanthrene, dimethyl	13.10	220	ug/kg	J
	unknown	13.14	240	ug/kg	J
	11H-Benzo-fluorene	13.92	410	ug/kg	J
	11H-Benzo-fluorene	13.99	240	ug/kg	J
	unknown	14.64	310	ug/kg	J
	unknown	15.42	210	ug/kg	J
	unknown PAH substance	16.06	340	ug/kg	J
	unknown PAH substance	16.24	810	ug/kg	J
	unknown PAH substance	17.94	310	ug/kg	J
	unknown PAH substance	18.33	220	ug/kg	J
	Total TIC, Semi-Volatile		6920	ug/kg	J

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Report of Analysis

Page 1 of 1

Client Sample ID:	SB-16_16-18	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-2	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	71.7
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	17900	50	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Antimony	< 2.0	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Arsenic	5.1	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Barium	201	20	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	0.39	0.20	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	0.77	0.50	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Calcium	3190	500	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	41.0	1.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cobalt	11.0	5.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Copper	69.7	2.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Iron	27900	50	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Lead	275	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Magnesium	7170	500	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	289	1.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	0.14	0.046	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹ SW846 7471B ³
Nickel	32.5	4.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Potassium	8460	1000	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.0	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Silver	< 0.50	0.50	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Sodium	4710	1000	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Thallium	< 1.0	1.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Vanadium	53.4	5.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	163	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30595

(3) Prep QC Batch: MP70073

(4) Prep QC Batch: MP70078

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	SB-7_7-9	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-3	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	81.8
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X133455.D	1	02/23/13	MS	n/a	n/a	VX5787
Run #2							

	Initial Weight
Run #1	4.7 g
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	158	13	2.2	ug/kg	
71-43-2	Benzene	15.0	1.3	0.15	ug/kg	
74-97-5	Bromochloromethane	ND	6.5	0.34	ug/kg	
75-27-4	Bromodichloromethane	ND	6.5	0.14	ug/kg	
75-25-2	Bromoform	ND	6.5	0.20	ug/kg	
74-83-9	Bromomethane	ND	6.5	0.36	ug/kg	
78-93-3	2-Butanone (MEK)	26.5	13	3.1	ug/kg	
75-15-0	Carbon disulfide	0.78	6.5	0.15	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.5	0.17	ug/kg	
108-90-7	Chlorobenzene	ND	6.5	0.14	ug/kg	
75-00-3	Chloroethane	ND	6.5	0.30	ug/kg	
67-66-3	Chloroform	ND	6.5	0.11	ug/kg	
74-87-3	Chloromethane	ND	6.5	0.24	ug/kg	
110-82-7	Cyclohexane	2.5	6.5	0.16	ug/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	1.2	ug/kg	
124-48-1	Dibromochloromethane	ND	6.5	0.21	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.5	0.25	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.5	0.24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.5	0.23	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.5	0.30	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.5	0.18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.18	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.5	0.33	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.5	0.24	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.5	0.31	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.5	0.20	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.5	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.5	0.20	ug/kg	
123-91-1	1,4-Dioxane	ND	160	77	ug/kg	
100-41-4	Ethylbenzene	9.5	1.3	0.34	ug/kg	
76-13-1	Freon 113	ND	6.5	0.56	ug/kg	

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-7_7-9	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-3	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	81.8
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	6.5	0.81	ug/kg	J
98-82-8	Isopropylbenzene	4.6	6.5	0.097	ug/kg	
79-20-9	Methyl Acetate	ND	6.5	3.4	ug/kg	
108-87-2	Methylcyclohexane	14.1	6.5	0.22	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	57.1	1.3	0.31	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.5	0.98	ug/kg	
75-09-2	Methylene chloride	ND	6.5	1.7	ug/kg	
100-42-5	Styrene	ND	6.5	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.5	0.17	ug/kg	
127-18-4	Tetrachloroethene	ND	6.5	0.22	ug/kg	
108-88-3	Toluene	3.6	1.3	0.14	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.5	0.21	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.5	0.18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.5	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.5	0.23	ug/kg	
79-01-6	Trichloroethene	ND	6.5	0.23	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.5	0.39	ug/kg	
75-01-4	Vinyl chloride	ND	6.5	0.19	ug/kg	
	m,p-Xylene	6.1	1.3	0.23	ug/kg	
95-47-6	o-Xylene	2.6	1.3	0.18	ug/kg	
1330-20-7	Xylene (total)	8.7	1.3	0.18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
17060-07-0	1,2-Dichloroethane-D4	113%		70-122%
2037-26-5	Toluene-D8	101%		81-127%
460-00-4	4-Bromofluorobenzene	108%		66-132%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	3.21	660	ug/kg	JNB
	alkane	12.33	77	ug/kg	J
135-98-8	Benzene, (1-methylpropyl)-	18.43	55	ug/kg	JN
	C4 alkyl benzene	18.59	91	ug/kg	J
	1H-indene-dihydro-methyl	18.76	62	ug/kg	J
	C4 alkyl benzene	18.98	86	ug/kg	J
	alkane	19.38	120	ug/kg	J
	C4 alkyl benzene	19.44	84	ug/kg	J
	C5 alkyl benzene	19.74	72	ug/kg	J

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Report of Analysis

Page 3 of 3

Client Sample ID:	SB-7_7-9	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-3	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	81.8
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	1H-Indene-dihydro-dimethyl	19.81	51	ug/kg	J
	1H-Indene-dihydro-dimethyl	19.91	110	ug/kg	J
	Naphthalene tetrahydro-methyl	20.17	70	ug/kg	J
	1H-Indene-dihydro-dimethyl	20.27	76	ug/kg	J
	1H-Indene-dihydro-dimethyl	20.41	57	ug/kg	J
	1H-Indene-dihydro-dimethyl	20.61	56	ug/kg	J
	Total TIC, Volatile		1067	ug/kg	J

ND = Not detected MDL - Method Detection Limit
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Report of Analysis

Page 1 of 3

Client Sample ID:	SB-7_7-9	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-3	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	81.8
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F20939.D	1	02/27/13	NAP	02/22/13	OP63786	EF5090
Run #2							

Run #	Initial Weight	Final Volume
Run #1	32.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

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	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	39	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	ND	38	11	ug/kg	
208-96-8	Acenaphthylene	ND	38	12	ug/kg	
98-86-2	Acetophenone	ND	190	6.7	ug/kg	
120-12-7	Anthracene	ND	38	13	ug/kg	
1912-24-9	Atrazine	ND	190	7.5	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	
92-52-4	1,1'-Biphenyl	ND	76	4.4	ug/kg	
100-52-7	Benzaldehyde	ND	190	8.7	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	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	SB-7_7-9	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-3	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	81.8
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	76	12	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	
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	ND	76	11	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	76.9	76	34	ug/kg	
206-44-0	Fluoranthene	17.7	38	17	ug/kg	J
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	380	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	ND	38	10	ug/kg	
98-95-3	Nitrobenzene	ND	76	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	76	9.3	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	23	ug/kg	
85-01-8	Phenanthrene	24.8	38	17	ug/kg	J
129-00-0	Pyrene	24.2	38	15	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		21-116%
4165-62-2	Phenol-d5	31%		19-117%

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: SB-7_7-9	Date Sampled: 02/13/13
Lab Sample ID: JB28972-3	Date Received: 02/15/13
Matrix: SO - Soil	Percent Solids: 81.8
Method: SW846 8270D SW846 3550C	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	61%		24-136%
4165-60-0	Nitrobenzene-d5	29%		21-122%
321-60-8	2-Fluorobiphenyl	33%		30-117%
1718-51-0	Terphenyl-d14	64%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.06	2600	ug/kg	J
	system artifact	3.93	290	ug/kg	J
	system artifact	4.08	160	ug/kg	J
	system artifact	4.70	200	ug/kg	J
	alkane	9.01	180	ug/kg	J
13798-23-7	Sulfur	9.62	200	ug/kg	JN
	Naphthalene trimethyl	9.70	200	ug/kg	J
	alkane	10.51	220	ug/kg	J
	alkane	10.94	280	ug/kg	J
	unknown acid	12.51	210	ug/kg	J
	unknown	14.29	320	ug/kg	J
	unknown	14.33	180	ug/kg	J
	unknown	15.12	170	ug/kg	J
	unknown	15.37	170	ug/kg	J
	unknown	18.29	240	ug/kg	J
	unknown	18.37	480	ug/kg	J
	unknown	18.56	440	ug/kg	J
	unknown	18.79	190	ug/kg	J
	Total TIC, Semi-Volatile		3480	ug/kg	J

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Report of Analysis

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Client Sample ID: SB-7_7-9

Lab Sample ID: JB28972-3

Matrix: SO - Soil

Date Sampled: 02/13/13

Date Received: 02/15/13

Percent Solids: 81.8

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	15600	61	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Antimony	< 2.4	2.4	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Arsenic	2.5	2.4	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Barium	70.0	24	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	0.53	0.24	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	< 0.61	0.61	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Calcium	1440	610	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	24.5	1.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cobalt	6.9	6.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Copper	20.2	3.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Iron	17400	61	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Lead	29.4	2.4	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Magnesium	3830	610	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	255	1.8	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	0.17	0.036	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹ SW846 7471B ³
Nickel	23.7	4.8	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Potassium	2520	1200	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.4	2.4	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Silver	< 0.61	0.61	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Sodium	< 1200	1200	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Thallium	< 1.2	1.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Vanadium	30.3	6.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	48.7	2.4	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30595

(3) Prep QC Batch: MP70073

(4) Prep QC Batch: MP70078

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	SB-7_10-12	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-4	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	81.7
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X133453.D	1	02/22/13	MS	n/a	n/a	VX5787
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	34.5	12	2.1	ug/kg	
71-43-2	Benzene	0.51	1.2	0.15	ug/kg	J
74-97-5	Bromochloromethane	ND	6.2	0.33	ug/kg	
75-27-4	Bromodichloromethane	ND	6.2	0.13	ug/kg	
75-25-2	Bromoform	ND	6.2	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.2	0.34	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	3.0	ug/kg	
75-15-0	Carbon disulfide	0.39	6.2	0.15	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.2	0.17	ug/kg	
108-90-7	Chlorobenzene	ND	6.2	0.13	ug/kg	
75-00-3	Chloroethane	ND	6.2	0.28	ug/kg	
67-66-3	Chloroform	ND	6.2	0.10	ug/kg	
74-87-3	Chloromethane	ND	6.2	0.23	ug/kg	
110-82-7	Cyclohexane	ND	6.2	0.15	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	1.1	ug/kg	
124-48-1	Dibromochloromethane	ND	6.2	0.20	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.2	0.24	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.2	0.23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.2	0.22	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.2	0.28	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.2	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.17	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.2	0.32	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.2	0.23	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.2	0.30	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.2	0.19	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	0.19	ug/kg	
123-91-1	1,4-Dioxane	ND	160	74	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.33	ug/kg	
76-13-1	Freon 113	ND	6.2	0.54	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: SB-7_10-12	Date Sampled: 02/13/13
Lab Sample ID: JB28972-4	Date Received: 02/15/13
Matrix: SO - Soil	Percent Solids: 81.7
Method: SW846 8260B	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	6.2	0.78	ug/kg	
98-82-8	Isopropylbenzene	ND	6.2	0.093	ug/kg	
79-20-9	Methyl Acetate	ND	6.2	3.2	ug/kg	
108-87-2	Methylcyclohexane	ND	6.2	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	16.0	1.2	0.29	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.2	0.94	ug/kg	
75-09-2	Methylene chloride	ND	6.2	1.6	ug/kg	
100-42-5	Styrene	ND	6.2	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.2	0.16	ug/kg	
127-18-4	Tetrachloroethene	ND	6.2	0.21	ug/kg	
108-88-3	Toluene	0.35	1.2	0.13	ug/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	0.20	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	0.17	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.2	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.2	0.22	ug/kg	
79-01-6	Trichloroethene	ND	6.2	0.22	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	0.37	ug/kg	
75-01-4	Vinyl chloride	ND	6.2	0.18	ug/kg	
	m,p-Xylene	0.36	1.2	0.22	ug/kg	J
95-47-6	o-Xylene	ND	1.2	0.17	ug/kg	
1330-20-7	Xylene (total)	0.36	1.2	0.17	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
17060-07-0	1,2-Dichloroethane-D4	107%		70-122%
2037-26-5	Toluene-D8	102%		81-127%
460-00-4	4-Bromofluorobenzene	113%		66-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	3.22	1100	ug/kg	JNB
	Total TIC, Volatile		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 1 of 3

Client Sample ID:	SB-7_10-12	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-4	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	81.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F20938.D	1	02/27/13	NAP	02/22/13	OP63786	EF5090
Run #2							

Run #	Initial Weight	Final Volume
Run #1	32.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

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	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	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	74	39	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	38	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	ND	37	11	ug/kg	
208-96-8	Acenaphthylene	ND	37	12	ug/kg	
98-86-2	Acetophenone	ND	190	6.5	ug/kg	
120-12-7	Anthracene	ND	37	13	ug/kg	
1912-24-9	Atrazine	ND	190	7.3	ug/kg	
56-55-3	Benzo(a)anthracene	17.7	37	12	ug/kg	J
50-32-8	Benzo(a)pyrene	18.0	37	11	ug/kg	J
205-99-2	Benzo(b)fluoranthene	16.6	37	12	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	37	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	37	14	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	74	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	74	22	ug/kg	
92-52-4	1,1'-Biphenyl	ND	74	4.3	ug/kg	
100-52-7	Benzaldehyde	ND	190	8.6	ug/kg	
91-58-7	2-Chloronaphthalene	ND	74	12	ug/kg	
106-47-8	4-Chloroaniline	ND	190	12	ug/kg	
86-74-8	Carbazole	ND	74	17	ug/kg	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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J = Indicates an estimated value

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-7_10-12	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-4	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	81.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	74	12	ug/kg	
218-01-9	Chrysene	16.6	37	13	ug/kg	J
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	
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	190	9.4	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	13	ug/kg	
132-64-9	Dibenzofuran	ND	74	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	74	8.3	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	105	74	33	ug/kg	
206-44-0	Fluoranthene	22.4	37	16	ug/kg	J
86-73-7	Fluorene	ND	37	12	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	370	38	ug/kg	
67-72-1	Hexachloroethane	ND	190	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	37	13	ug/kg	
78-59-1	Isophorone	ND	74	10	ug/kg	
91-57-6	2-Methylnaphthalene	ND	74	21	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	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	74	11	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	74	9.1	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	22	ug/kg	
85-01-8	Phenanthrene	ND	37	17	ug/kg	
129-00-0	Pyrene	22.7	37	14	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		21-116%
4165-62-2	Phenol-d5	51%		19-117%

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:	SB-7_10-12	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-4	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	81.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	74%		24-136%
4165-60-0	Nitrobenzene-d5	49%		21-122%
321-60-8	2-Fluorobiphenyl	54%		30-117%
1718-51-0	Terphenyl-d14	73%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.08	310	ug/kg	J
	system artifact	2.87	200	ug/kg	J
	system artifact/aldol-condensation	3.06	4900	ug/kg	J
	C3 alkyl benzene	3.89	210	ug/kg	J
	system artifact	3.93	540	ug/kg	J
	system artifact	4.07	260	ug/kg	J
	system artifact	4.52	150	ug/kg	J
	system artifact	4.70	350	ug/kg	J
	unknown acid	12.34	4000	ug/kg	J
	unknown acid	12.51	260	ug/kg	J
	unknown acid	13.20	15000	ug/kg	J
	unknown acid	13.32	1800	ug/kg	J
	unknown acid	13.36	410	ug/kg	J
	unknown acid	14.13	200	ug/kg	J
	unknown	14.29	260	ug/kg	J
	Total TIC, Semi-Volatile		22140	ug/kg	J

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: SB-7_10-12

Lab Sample ID: JB28972-4

Matrix: SO - Soil

Date Sampled: 02/13/13

Date Received: 02/15/13

Percent Solids: 81.7

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	17500	62	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Antimony	< 2.5	2.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Arsenic	4.9	2.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Barium	41.1	25	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Beryllium	0.49	0.25	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Cadmium	< 0.62	0.62	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Calcium	< 620	620	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Chromium	22.3	1.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Cobalt	< 6.2	6.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Copper	11.2	3.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Iron	18300	62	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Lead	11.0	2.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Magnesium	3470	620	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Manganese	96.9	1.9	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Mercury	< 0.037	0.037	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹
Nickel	12.1	5.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Potassium	1550	1200	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Selenium	< 2.5	2.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Silver	< 0.62	0.62	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Sodium	< 1200	1200	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Thallium	< 1.2	1.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Vanadium	34.4	6.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Zinc	39.6	2.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30595

(3) Prep QC Batch: MP70073

(4) Prep QC Batch: MP70078

RL = Reporting Limit

Report of Analysis

Page 1 of 3

Client Sample ID:	SB-5_10-12	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-5	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	82.5
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D205681.D	1	02/21/13	ET	n/a	n/a	VD8390
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	8.4 g	10.0 ml	100 ul
Run #2			

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	830	140	ug/kg	
71-43-2	Benzene	ND	83	9.8	ug/kg	
74-97-5	Bromochloromethane	ND	410	22	ug/kg	
75-27-4	Bromodichloromethane	ND	410	8.7	ug/kg	
75-25-2	Bromoform	ND	410	12	ug/kg	
74-83-9	Bromomethane	ND	410	23	ug/kg	
78-93-3	2-Butanone (MEK)	ND	830	200	ug/kg	
75-15-0	Carbon disulfide	ND	410	9.7	ug/kg	
56-23-5	Carbon tetrachloride	ND	410	11	ug/kg	
108-90-7	Chlorobenzene	ND	410	8.9	ug/kg	
75-00-3	Chloroethane	ND	410	19	ug/kg	
67-66-3	Chloroform	ND	410	6.8	ug/kg	
74-87-3	Chloromethane	ND	410	15	ug/kg	
110-82-7	Cyclohexane	ND	410	10	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	830	74	ug/kg	
124-48-1	Dibromochloromethane	ND	410	14	ug/kg	
106-93-4	1,2-Dibromoethane	ND	83	11	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	410	16	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	410	15	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	410	15	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	410	19	ug/kg	
75-34-3	1,1-Dichloroethane	ND	410	11	ug/kg	
107-06-2	1,2-Dichloroethane	ND	83	11	ug/kg	
75-35-4	1,1-Dichloroethene	ND	410	21	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	410	15	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	410	20	ug/kg	
78-87-5	1,2-Dichloropropane	ND	410	13	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	410	12	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	410	13	ug/kg	
123-91-1	1,4-Dioxane	ND	10000	4900	ug/kg	
100-41-4	Ethylbenzene	ND	83	22	ug/kg	
76-13-1	Freon 113	ND	410	36	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

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-5_10-12	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-5	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	82.5
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	410	51	ug/kg	
98-82-8	Isopropylbenzene	34.8	410	6.1	ug/kg	J
79-20-9	Methyl Acetate	ND	410	220	ug/kg	
108-87-2	Methylcyclohexane	102	410	14	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	83	19	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	410	62	ug/kg	
75-09-2	Methylene chloride	ND	410	110	ug/kg	
100-42-5	Styrene	ND	410	7.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	410	11	ug/kg	
127-18-4	Tetrachloroethene	ND	410	14	ug/kg	
108-88-3	Toluene	ND	83	8.7	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	410	14	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	410	12	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	410	8.8	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	410	14	ug/kg	
79-01-6	Trichloroethene	ND	410	14	ug/kg	
75-69-4	Trichlorofluoromethane	ND	410	25	ug/kg	
75-01-4	Vinyl chloride	ND	410	12	ug/kg	
	m,p-Xylene	ND	83	14	ug/kg	
95-47-6	o-Xylene	ND	83	12	ug/kg	
1330-20-7	Xylene (total)	ND	83	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
17060-07-0	1,2-Dichloroethane-D4	103%		70-122%
2037-26-5	Toluene-D8	103%		81-127%
460-00-4	4-Bromofluorobenzene	98%		66-132%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	alkane	10.86	1200	ug/kg	J
	alkane	12.34	730	ug/kg	J
	alkane	16.44	880	ug/kg	J
	cyclohexane alkyl	16.90	1000	ug/kg	J
91-17-8	Naphthalene, decahydro-	17.54	1500	ug/kg	J
	C4 alkyl benzene	17.81	1100	ug/kg	J
	Naphthalene decahydro-methyl	18.23	800	ug/kg	J
	Naphthalene decahydro-methyl	18.48	1500	ug/kg	J
	unknown	18.78	800	ug/kg	J

ND = Not detected MDL - Method Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 3 of 3

Client Sample ID:	SB-5_10-12	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-5	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	82.5
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	19.46	1100	ug/kg	J
	unknown	19.74	1500	ug/kg	J
	unknown	19.83	930	ug/kg	J
	1H-Indene-dihydro-dimethyl	20.04	730	ug/kg	J
	unknown	20.72	980	ug/kg	J
	Naphthalene tetrahydro-dimethyl	20.96	1000	ug/kg	J
	Total TIC, Volatile		15750	ug/kg	J

(a) Dilution required due to sample matrix.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration 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:	SB-5_10-12	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-5	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	82.5
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F20879.D	1	02/26/13	NAP	02/22/13	OP63786	EF5088
Run #2							

Run #	Initial Weight	Final Volume
Run #1	31.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

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	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	200	40	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	52.3	39	11	ug/kg	
208-96-8	Acenaphthylene	ND	39	13	ug/kg	
98-86-2	Acetophenone	ND	200	6.9	ug/kg	
120-12-7	Anthracene	23.0	39	14	ug/kg	J
1912-24-9	Atrazine	ND	200	7.7	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	78	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	78	23	ug/kg	
92-52-4	1,1'-Biphenyl	ND	78	4.5	ug/kg	
100-52-7	Benzaldehyde	ND	200	9.0	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	ND	78	18	ug/kg	

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-5_10-12	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-5	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	82.5
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	78	12	ug/kg	
218-01-9	Chrysene	ND	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	
108-60-1	bis(2-Chloroisopropyl)ether	ND	78	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	78	12	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	49.3	78	12	ug/kg	J
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	134	78	35	ug/kg	
206-44-0	Fluoranthene	22.3	39	17	ug/kg	J
86-73-7	Fluorene	115	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	390	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	ND	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	ND	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	200	23	ug/kg	
85-01-8	Phenanthrene	255	39	18	ug/kg	
129-00-0	Pyrene	75.9	39	15	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	52%		21-116%
4165-62-2	Phenol-d5	56%		19-117%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration 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:	SB-5_10-12	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-5	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	82.5
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	66%		24-136%
4165-60-0	Nitrobenzene-d5	54%		21-122%
321-60-8	2-Fluorobiphenyl	56%		30-117%
1718-51-0	Terphenyl-d14	65%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.09	620	ug/kg	J
	system artifact/aldol-condensation	3.09	7900	ug/kg	J
	system artifact	3.95	1100	ug/kg	J
	system artifact	4.71	490	ug/kg	J
	alkane	6.78	610	ug/kg	J
	Cyclohexane alkyl	7.08	400	ug/kg	J
	alkane	7.34	1400	ug/kg	J
	alkane	7.59	630	ug/kg	J
	alkane	7.76	450	ug/kg	J
	Naphthalene tetrahydro-dimethyl	7.89	900	ug/kg	J
	1H-Indene, -dihydro--trime	7.97	390	ug/kg	J
	Decahydro--pentamethylna	8.40	420	ug/kg	J
	alkane	8.49	670	ug/kg	J
	unknown	8.88	540	ug/kg	J
	alkane	9.03	1500	ug/kg	J
	unknown	9.20	550	ug/kg	J
	Naphthalene trimethyl	9.76	510	ug/kg	J
	Naphthalene trimethyl	9.90	690	ug/kg	J
	Naphthalene trimethyl	10.04	450	ug/kg	J
	alkane	10.14	630	ug/kg	J
	alkane	10.53	1400	ug/kg	J
	unknown	10.69	430	ug/kg	J
	alkane	10.91	490	ug/kg	J
	alkane	10.96	1800	ug/kg	J
	9H-Fluorene, -methyl-	11.17	440	ug/kg	J
	Total TIC, Semi-Volatile		15300	ug/kg	J

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Report of Analysis

Page 1 of 1

Client Sample ID: SB-5_10-12

Lab Sample ID: JB28972-5

Matrix: SO - Soil

Date Sampled: 02/13/13

Date Received: 02/15/13

Percent Solids: 82.5

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	18600	63	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Antimony	< 2.5	2.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Arsenic	4.9	2.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Barium	30.8	25	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Beryllium	0.51	0.25	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Cadmium	< 0.63	0.63	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Calcium	< 630	630	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Chromium	21.0	1.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Cobalt	< 6.3	6.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Copper	10.9	3.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Iron	20300	63	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Lead	11.3	2.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Magnesium	3570	630	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Manganese	172	1.9	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Mercury	< 0.037	0.037	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹
Nickel	13.1	5.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Potassium	1330	1300	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Selenium	< 2.5	2.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Silver	< 0.63	0.63	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Sodium	< 1300	1300	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Thallium	< 1.3	1.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Vanadium	34.4	6.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Zinc	37.9	2.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30595

(3) Prep QC Batch: MP70073

(4) Prep QC Batch: MP70078

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	SB-5_10-12	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-5R	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	82.5
Method:	SW846 8081B SW846 3546		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G88856.D	1	02/28/13	HQ	02/25/13	OP63866	G1G2918
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.79	0.36	ug/kg	
319-84-6	alpha-BHC	ND	0.79	0.24	ug/kg	
319-85-7	beta-BHC	ND	0.79	0.49	ug/kg	
319-86-8	delta-BHC	ND	0.79	0.39	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.79	0.39	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.79	0.29	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.79	0.55	ug/kg	
60-57-1	Dieldrin	ND	0.79	0.31	ug/kg	
72-54-8	4,4' -DDD	ND	0.79	0.43	ug/kg	
72-55-9	4,4' -DDE	ND	0.79	0.32	ug/kg	
50-29-3	4,4' -DDT	ND	0.79	0.39	ug/kg	
72-20-8	Endrin	ND	0.79	0.26	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.79	0.34	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.79	0.41	ug/kg	
959-98-8	Endosulfan-I	ND	0.79	0.30	ug/kg	
33213-65-9	Endosulfan-II	ND	0.79	0.47	ug/kg	
76-44-8	Heptachlor	ND	0.79	0.39	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.79	0.30	ug/kg	
72-43-5	Methoxychlor	ND	1.6	0.77	ug/kg	
53494-70-5	Endrin ketone	ND	0.79	0.32	ug/kg	
8001-35-2	Toxaphene	ND	20	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	37%		23-137%
877-09-8	Tetrachloro-m-xylene	51%		23-137%
2051-24-3	Decachlorobiphenyl	69%		22-160%
2051-24-3	Decachlorobiphenyl	71%		22-160%

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Report of Analysis

Page 1 of 1

Client Sample ID:	SB-5_10-12	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-5R	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	82.5
Method:	SW846 8082A SW846 3546		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX130583.D	1	02/28/13	JR	02/25/13	OP63865	GXX4603
Run #2							

	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	40	10	ug/kg	
11104-28-2	Aroclor 1221	ND	40	24	ug/kg	
11141-16-5	Aroclor 1232	ND	40	20	ug/kg	
53469-21-9	Aroclor 1242	ND	40	13	ug/kg	
12672-29-6	Aroclor 1248	ND	40	12	ug/kg	
11097-69-1	Aroclor 1254	ND	40	19	ug/kg	
11096-82-5	Aroclor 1260	ND	40	13	ug/kg	
11100-14-4	Aroclor 1268	ND	40	12	ug/kg	
37324-23-5	Aroclor 1262	ND	40	13	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	53%		22-141%
877-09-8	Tetrachloro-m-xylene	54%		22-141%
2051-24-3	Decachlorobiphenyl	73%		18-163%
2051-24-3	Decachlorobiphenyl	74%		18-163%

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Report of Analysis

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Client Sample ID:	SB-5_13-15	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-6	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X133398.D	1	02/21/13	MS	n/a	n/a	VX5785
Run #2							

	Initial Weight
Run #1	5.4 g
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	21.6	12	2.0	ug/kg	
71-43-2	Benzene	ND	1.2	0.14	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	0.31	ug/kg	
75-27-4	Bromodichloromethane	ND	5.9	0.12	ug/kg	
75-25-2	Bromoform	ND	5.9	0.18	ug/kg	
74-83-9	Bromomethane	ND	5.9	0.32	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.8	ug/kg	
75-15-0	Carbon disulfide	ND	5.9	0.14	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.9	0.16	ug/kg	
108-90-7	Chlorobenzene	ND	5.9	0.13	ug/kg	
75-00-3	Chloroethane	ND	5.9	0.27	ug/kg	
67-66-3	Chloroform	ND	5.9	0.097	ug/kg	
74-87-3	Chloromethane	ND	5.9	0.22	ug/kg	
110-82-7	Cyclohexane	ND	5.9	0.15	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	12	1.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.9	0.19	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.15	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	5.9	0.22	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	5.9	0.22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	5.9	0.21	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	0.27	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.9	0.16	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.16	ug/kg	
75-35-4	1,1-Dichloroethene	ND	5.9	0.30	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	5.9	0.22	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	5.9	0.28	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.9	0.18	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.9	0.16	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.9	0.18	ug/kg	
123-91-1	1,4-Dioxane	ND	150	70	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.31	ug/kg	
76-13-1	Freon 113	ND	5.9	0.51	ug/kg	

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-5_13-15	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-6	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.9	0.73	ug/kg	
98-82-8	Isopropylbenzene	0.31	5.9	0.087	ug/kg	J
79-20-9	Methyl Acetate	ND	5.9	3.1	ug/kg	
108-87-2	Methylcyclohexane	0.81	5.9	0.20	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.28	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.9	0.88	ug/kg	
75-09-2	Methylene chloride	ND	5.9	1.5	ug/kg	
100-42-5	Styrene	ND	5.9	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.9	0.16	ug/kg	
127-18-4	Tetrachloroethene	ND	5.9	0.20	ug/kg	
108-88-3	Toluene	0.55	1.2	0.12	ug/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	0.19	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	0.16	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.9	0.12	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.9	0.20	ug/kg	
79-01-6	Trichloroethene	ND	5.9	0.20	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	0.35	ug/kg	
75-01-4	Vinyl chloride	ND	5.9	0.17	ug/kg	
	m,p-Xylene	ND	1.2	0.20	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.16	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.16	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
17060-07-0	1,2-Dichloroethane-D4	95%		70-122%
2037-26-5	Toluene-D8	101%		81-127%
460-00-4	4-Bromofluorobenzene	106%		66-132%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	3.22	910	ug/kg	JNB
	alkane	8.66	17	ug/kg	J
	alkane	10.39	64	ug/kg	J
	alkane	12.14	30	ug/kg	J
	alkane	12.34	27	ug/kg	J
	alkene	13.67	15	ug/kg	J
	C4 alkyl benzene	18.14	13	ug/kg	J
	C4 alkyl benzene	18.23	12	ug/kg	J
	unknown	18.54	15	ug/kg	J

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Report of Analysis

Page 3 of 3

Client Sample ID:	SB-5_13-15	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-6	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		193	ug/kg	J

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Report of Analysis

Page 1 of 3

Client Sample ID:	SB-5_13-15	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-6	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F20937.D	1	02/27/13	NAP	02/22/13	OP63786	EF5090
Run #2 ^a	F21080.D	1	03/04/13	NAP	03/02/13	OP64030	EF5096

	Initial Weight	Final Volume
Run #1	33.0 g	1.0 ml
Run #2	30.5 g	1.0 ml

ABN TCL List (SOM0 1.1)

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	40	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	40	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	ND	39	11	ug/kg	
208-96-8	Acenaphthylene	ND	39	12	ug/kg	
98-86-2	Acetophenone	ND	190	6.8	ug/kg	
120-12-7	Anthracene	ND	39	13	ug/kg	
1912-24-9	Atrazine	ND	190	7.6	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	14	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	39	14	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	
92-52-4	1,1'-Biphenyl	ND	77	4.5	ug/kg	
100-52-7	Benzaldehyde	ND	190	8.9	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	ND	77	18	ug/kg	

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-5_13-15	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-6	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	77	12	ug/kg	
218-01-9	Chrysene	ND	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	
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	ND	39	13	ug/kg	
132-64-9	Dibenzofuran	ND	77	11	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	77	8.5	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	91.5	77	34	ug/kg	
206-44-0	Fluoranthene	ND	39	17	ug/kg	
86-73-7	Fluorene	ND	39	13	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	390	39	ug/kg	
67-72-1	Hexachloroethane	ND	190	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	39	13	ug/kg	
78-59-1	Isophorone	ND	77	10	ug/kg	
91-57-6	2-Methylnaphthalene	ND	77	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	ND	39	11	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	ND	39	18	ug/kg	
129-00-0	Pyrene	ND	39	15	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	20% ^b	51%	21-116%
4165-62-2	Phenol-d5	24%	51%	19-117%

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Report of Analysis

Page 3 of 3

Client Sample ID:	SB-5_13-15	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-6	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	78.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	54%	55%	24-136%
4165-60-0	Nitrobenzene-d5	18% ^b	49%	21-122%
321-60-8	2-Fluorobiphenyl	18% ^b	46%	30-117%
1718-51-0	Terphenyl-d14	72%	68%	31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.07	190	ug/kg	J
	system artifact/aldol-condensation	3.06	2400	ug/kg	J
	system artifact	3.93	280	ug/kg	J
	system artifact	4.70	160	ug/kg	J
	unknown acid	12.51	220	ug/kg	J
	Total TIC, Semi-Volatile		220	ug/kg	J

(a) Confirmation run.

(b) Outside of in house control 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: SB-5_13-15

Lab Sample ID: JB28972-6

Matrix: SO - Soil

Date Sampled: 02/13/13

Date Received: 02/15/13

Percent Solids: 78.7

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	12500	50	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Antimony	< 2.0	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Arsenic	3.8	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Barium	25.4	20	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Beryllium	0.54	0.20	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Cadmium	< 0.50	0.50	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Calcium	1290	500	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Chromium	18.2	1.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Cobalt	6.5	5.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Copper	15.6	2.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Iron	18700	50	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Lead	8.1	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Magnesium	3510	500	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Manganese	188	1.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Mercury	< 0.040	0.040	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹
Nickel	16.1	4.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Potassium	1640	1000	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Selenium	< 2.0	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Silver	< 0.50	0.50	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Sodium	< 1000	1000	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Thallium	< 1.0	1.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Vanadium	29.1	5.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Zinc	35.9	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30595

(3) Prep QC Batch: MP70073

(4) Prep QC Batch: MP70078

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	DUP_21313	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-7	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	76.7
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X133454.D	1	02/23/13	MS	n/a	n/a	VX5787
Run #2							

	Initial Weight
Run #1	5.1 g
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	14.8	13	2.2	ug/kg	
71-43-2	Benzene	ND	1.3	0.15	ug/kg	
74-97-5	Bromochloromethane	ND	6.4	0.34	ug/kg	
75-27-4	Bromodichloromethane	ND	6.4	0.13	ug/kg	
75-25-2	Bromoform	ND	6.4	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.4	0.35	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	3.1	ug/kg	
75-15-0	Carbon disulfide	1.6	6.4	0.15	ug/kg	J
56-23-5	Carbon tetrachloride	ND	6.4	0.17	ug/kg	
108-90-7	Chlorobenzene	ND	6.4	0.14	ug/kg	
75-00-3	Chloroethane	ND	6.4	0.29	ug/kg	
67-66-3	Chloroform	ND	6.4	0.11	ug/kg	
74-87-3	Chloromethane	ND	6.4	0.24	ug/kg	
110-82-7	Cyclohexane	ND	6.4	0.16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	1.1	ug/kg	
124-48-1	Dibromochloromethane	ND	6.4	0.21	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.4	0.24	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.4	0.24	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.4	0.22	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.4	0.29	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.4	0.18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.17	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.4	0.33	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.4	0.23	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.4	0.30	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.4	0.20	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	6.4	0.18	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	6.4	0.20	ug/kg	
123-91-1	1,4-Dioxane	ND	160	76	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.34	ug/kg	
76-13-1	Freon 113	ND	6.4	0.55	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:	DUP_21313	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-7	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	76.7
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	6.4	0.80	ug/kg	
98-82-8	Isopropylbenzene	0.34	6.4	0.095	ug/kg	J
79-20-9	Methyl Acetate	ND	6.4	3.3	ug/kg	
108-87-2	Methylcyclohexane	0.49	6.4	0.22	ug/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.30	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.4	0.96	ug/kg	
75-09-2	Methylene chloride	ND	6.4	1.6	ug/kg	
100-42-5	Styrene	ND	6.4	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.4	0.17	ug/kg	
127-18-4	Tetrachloroethene	ND	6.4	0.22	ug/kg	
108-88-3	Toluene	0.82	1.3	0.13	ug/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	6.4	0.21	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.4	0.18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.4	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.4	0.22	ug/kg	
79-01-6	Trichloroethene	ND	6.4	0.22	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.4	0.38	ug/kg	
75-01-4	Vinyl chloride	ND	6.4	0.18	ug/kg	
	m,p-Xylene	0.46	1.3	0.22	ug/kg	J
95-47-6	o-Xylene	ND	1.3	0.18	ug/kg	
1330-20-7	Xylene (total)	0.46	1.3	0.18	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		70-130%
17060-07-0	1,2-Dichloroethane-D4	113%		70-122%
2037-26-5	Toluene-D8	102%		81-127%
460-00-4	4-Bromofluorobenzene	113%		66-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
124-38-9	Carbon dioxide	3.21	760	ug/kg	JNB
	Total TIC, Volatile		0	ug/kg	

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Report of Analysis

Page 1 of 3

Client Sample ID:	DUP_21313	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-7	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	76.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F20995.D	1	03/01/13	NAP	02/22/13	OP63786	EF5092
Run #2							

Run #	Initial Weight	Final Volume
Run #1	32.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

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	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	200	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	107	40	11	ug/kg	
208-96-8	Acenaphthylene	77.5	40	13	ug/kg	
98-86-2	Acetophenone	ND	200	7.0	ug/kg	
120-12-7	Anthracene	357	40	14	ug/kg	
1912-24-9	Atrazine	ND	200	7.8	ug/kg	
56-55-3	Benzo(a)anthracene	933	40	13	ug/kg	
50-32-8	Benzo(a)pyrene	1190	40	12	ug/kg	
205-99-2	Benzo(b)fluoranthene	1130	40	13	ug/kg	
191-24-2	Benzo(g,h,i)perylene	826	40	15	ug/kg	
207-08-9	Benzo(k)fluoranthene	717	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	
92-52-4	1,1'-Biphenyl	ND	79	4.6	ug/kg	
100-52-7	Benzaldehyde	ND	200	9.1	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	107	79	18	ug/kg	

ND = Not detected MDL - Method Detection Limit

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Report of Analysis

Page 2 of 3

Client Sample ID:	DUP_21313	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-7	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	76.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	79	12	ug/kg	
218-01-9	Chrysene	1000	40	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	
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	272	40	14	ug/kg	
132-64-9	Dibenzofuran	48.6	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	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	79	14	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	146	79	35	ug/kg	
206-44-0	Fluoranthene	2040	40	17	ug/kg	
86-73-7	Fluorene	122	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	400	40	ug/kg	
67-72-1	Hexachloroethane	ND	200	11	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	763	40	14	ug/kg	
78-59-1	Isophorone	ND	79	11	ug/kg	
91-57-6	2-Methylnaphthalene	24.9	79	22	ug/kg	J
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	30.5	40	11	ug/kg	J
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	1090	40	18	ug/kg	
129-00-0	Pyrene	1850	40	15	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%		21-116%
4165-62-2	Phenol-d5	69%		19-117%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration 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:	DUP_21313	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-7	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	76.7
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	82%		24-136%
4165-60-0	Nitrobenzene-d5	65%		21-122%
321-60-8	2-Fluorobiphenyl	66%		30-117%
1718-51-0	Terphenyl-d14	73%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.06	420	ug/kg	J
	system artifact	2.85	270	ug/kg	J
	system artifact	2.93	160	ug/kg	J
	system artifact/aldol-condensation	3.05	6100	ug/kg	J
	C3 alkyl benzene	3.87	290	ug/kg	J
	system artifact	3.92	790	ug/kg	J
	system artifact	4.06	610	ug/kg	J
	system artifact	4.50	220	ug/kg	J
	system artifact	4.68	590	ug/kg	J
90-12-0	Naphthalene, 1-methyl-	7.82	180	ug/kg	JN
	Naphthalene dimethyl	8.79	190	ug/kg	J
	unknown	9.16	180	ug/kg	J
	Naphthalene trimethyl	9.72	200	ug/kg	J
	Naphthalene trimethyl	9.86	180	ug/kg	J
	unknown	12.12	160	ug/kg	J
	Anthracene, methyl	12.35	200	ug/kg	J
	Phenanthrene, -methyl-	12.39	240	ug/kg	J
	unknown	12.50	610	ug/kg	J
	unknown	12.75	160	ug/kg	J
	Fluoranthene, -methyl-	13.90	290	ug/kg	J
	Pyrene, -methyl-	14.02	200	ug/kg	J
	unknown PAH substance	14.61	210	ug/kg	J
	unknown PAH substance	16.03	220	ug/kg	J
	unknown PAH substance	16.21	580	ug/kg	J
	unknown PAH substance	17.91	220	ug/kg	J
	unknown PAH substance	18.29	160	ug/kg	J
	Total TIC, Semi-Volatile		4470	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 1 of 1

Client Sample ID:	DUP_21313	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-7	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	76.7
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	12600	51	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Antimony	< 2.0	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Arsenic	2.7	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Barium	145	20	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	0.31	0.20	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	< 0.51	0.51	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Calcium	1710	510	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	27.0	1.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cobalt	7.2	5.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Copper	33.7	2.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Iron	19400	51	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Lead	61.6	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Magnesium	5110	510	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	159	1.5	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	0.10	0.041	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹ SW846 7471B ³
Nickel	20.2	4.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Potassium	6900	1000	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.0	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Silver	< 0.51	0.51	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Sodium	2960	1000	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Thallium	< 1.0	1.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Vanadium	35.6	5.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	88.6	2.0	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30595

(3) Prep QC Batch: MP70073

(4) Prep QC Batch: MP70078

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	FB_21313	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-8	Date Received:	02/15/13
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A131877.D	1	02/19/13	CC	n/a	n/a	V2A5627
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	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: FB_21313	Date Sampled: 02/13/13
Lab Sample ID: JB28972-8	Date Received: 02/15/13
Matrix: AQ - Field Blank Soil	Percent Solids: n/a
Method: SW846 8260B	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		81-121%
17060-07-0	1,2-Dichloroethane-D4	95%		74-127%
2037-26-5	Toluene-D8	94%		80-122%
460-00-4	4-Bromofluorobenzene	98%		78-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	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 1 of 3

Client Sample ID:	FB_21313	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-8	Date Received:	02/15/13
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P20285.D	1	02/21/13	ALS	02/20/13	OP63732	E2P898
Run #2							

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

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.97	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.5	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	17	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.99	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.0	ug/l	
	3&4-Methylphenol	ND	2.0	0.93	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.5	ug/l	
100-02-7	4-Nitrophenol	ND	10	5.2	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.4	ug/l	
108-95-2	Phenol	ND	2.0	1.3	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.94	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.6	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.3	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.26	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.23	ug/l	
98-86-2	Acetophenone	ND	2.0	0.29	ug/l	
120-12-7	Anthracene	ND	1.0	0.29	ug/l	
1912-24-9	Atrazine	ND	5.0	0.49	ug/l	
100-52-7	Benzaldehyde	ND	5.0	3.3	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.46	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.32	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.36	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.29	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.30	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.53	ug/l	
86-74-8	Carbazole	ND	1.0	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:	FB_21313	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-8	Date Received:	02/15/13
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.69	ug/l	
218-01-9	Chrysene	ND	1.0	0.29	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.31	ug/l	
111-44-4	bis(2-Chloroethyl)ether	1.2	2.0	0.31	ug/l	BJ
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.31	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.43	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.46	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.0	0.36	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.38	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.27	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.56	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.31	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.33	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.28	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.59	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.32	ug/l	
86-73-7	Fluorene	ND	1.0	0.28	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.51	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	7.1	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.55	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.37	ug/l	
78-59-1	Isophorone	ND	2.0	0.27	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.38	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	1.7	ug/l	
91-20-3	Naphthalene	ND	1.0	0.26	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.42	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.30	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.31	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.29	ug/l	
129-00-0	Pyrene	ND	1.0	0.27	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.31	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	51%		10-83%
4165-62-2	Phenol-d5	36%		10-74%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FB_21313	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-8	Date Received:	02/15/13
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	93%		24-148%
4165-60-0	Nitrobenzene-d5	93%		38-129%
321-60-8	2-Fluorobiphenyl	90%		42-117%
1718-51-0	Terphenyl-d14	101%		14-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	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 1 of 1

Client Sample ID: FB_21313

Lab Sample ID: JB28972-8

Matrix: AQ - Field Blank Soil

Date Sampled: 02/13/13

Date Received: 02/15/13

Percent Solids: n/a

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Antimony	< 6.0	6.0	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Arsenic	< 3.0	3.0	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Barium	< 200	200	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Beryllium	< 1.0	1.0	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Cadmium	< 3.0	3.0	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Calcium	< 5000	5000	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Chromium	< 10	10	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Cobalt	< 50	50	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Copper	< 10	10	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Iron	< 100	100	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Lead	< 3.0	3.0	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Magnesium	< 5000	5000	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Manganese	< 15	15	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Mercury	< 0.20	0.20	ug/l	1	02/27/13	02/27/13	JW	SW846 7470A ² SW846 7470A ⁴
Nickel	< 10	10	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Potassium	< 10000	10000	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Selenium	< 10	10	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Silver	< 10	10	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Sodium	< 10000	10000	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Thallium	< 2.0	2.0	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Vanadium	< 50	50	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Zinc	< 20	20	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³

(1) Instrument QC Batch: MA30523

(2) Instrument QC Batch: MA30579

(3) Prep QC Batch: MP69877

(4) Prep QC Batch: MP70061

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID:	FB_21313	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-8R	Date Received:	02/15/13
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8081B SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	1G89113.D	1	03/05/13	DS	02/22/13	OP63832	G1G2926
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.010	0.0079	ug/l	
319-84-6	alpha-BHC	ND	0.010	0.0023	ug/l	
319-85-7	beta-BHC	ND	0.010	0.0023	ug/l	
319-86-8	delta-BHC	ND	0.010	0.0019	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.010	0.0017	ug/l	
5103-71-9	alpha-Chlordane	ND	0.010	0.0029	ug/l	
5103-74-2	gamma-Chlordane	ND	0.010	0.0021	ug/l	
60-57-1	Dieldrin	ND	0.010	0.0016	ug/l	
72-54-8	4,4' -DDD	ND	0.010	0.0025	ug/l	
72-55-9	4,4' -DDE	ND	0.010	0.0017	ug/l	
50-29-3	4,4' -DDT	ND	0.010	0.0032	ug/l	
72-20-8	Endrin	ND	0.010	0.0020	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.010	0.0019	ug/l	
7421-93-4	Endrin aldehyde	ND	0.010	0.0037	ug/l	
53494-70-5	Endrin ketone	ND	0.010	0.0047	ug/l	
959-98-8	Endosulfan-I	ND	0.010	0.0028	ug/l	
33213-65-9	Endosulfan-II	ND	0.010	0.0020	ug/l	
76-44-8	Heptachlor	ND	0.010	0.0022	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.010	0.0026	ug/l	
72-43-5	Methoxychlor	ND	0.020	0.0041	ug/l	
8001-35-2	Toxaphene	ND	0.25	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	119%		26-145%
877-09-8	Tetrachloro-m-xylene	118%		26-145%
2051-24-3	Decachlorobiphenyl	69%		10-141%
2051-24-3	Decachlorobiphenyl	66%		10-141%

(a) Sample extracted outside the holding time per client's request.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration 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:	FB_21313	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-8R	Date Received:	02/15/13
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	XX130403.D	1	02/23/13	JR	02/22/13	OP63831	GXX4600
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.13	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.27	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.39	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.086	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.14	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.21	ug/l	
11100-14-4	Aroclor 1268	ND	0.50	0.13	ug/l	
37324-23-5	Aroclor 1262	ND	0.50	0.060	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		27-144%
877-09-8	Tetrachloro-m-xylene	89%		27-144%
2051-24-3	Decachlorobiphenyl	63%		10-139%
2051-24-3	Decachlorobiphenyl	59%		10-139%

(a) Sample extracted outside the holding time per client's request.

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration 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:	SB-3_0-2	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-9	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	93.0
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A191926.D	1	02/22/13	OTR	n/a	n/a	VA7225
Run #2							

	Initial Weight
Run #1	4.1 g
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	28.9	13	2.2	ug/kg	
71-43-2	Benzene	ND	1.3	0.16	ug/kg	
74-97-5	Bromochloromethane	ND	6.6	0.35	ug/kg	
75-27-4	Bromodichloromethane	ND	6.6	0.14	ug/kg	
75-25-2	Bromoform	ND	6.6	0.20	ug/kg	
74-83-9	Bromomethane	ND	6.6	0.36	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	3.1	ug/kg	
75-15-0	Carbon disulfide	ND	6.6	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.6	0.17	ug/kg	
108-90-7	Chlorobenzene	ND	6.6	0.14	ug/kg	
75-00-3	Chloroethane	ND	6.6	0.30	ug/kg	
67-66-3	Chloroform	ND	6.6	0.11	ug/kg	
74-87-3	Chloromethane	ND	6.6	0.24	ug/kg	
110-82-7	Cyclohexane	ND	6.6	0.16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	1.2	ug/kg	
124-48-1	Dibromochloromethane	ND	6.6	0.22	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.6	0.25	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.6	0.25	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.6	0.23	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.6	0.30	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.6	0.18	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.18	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.6	0.34	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.6	0.24	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.6	0.31	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.6	0.20	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	0.20	ug/kg	
123-91-1	1,4-Dioxane	ND	160	78	ug/kg	
100-41-4	Ethylbenzene	1.3	1.3	0.34	ug/kg	
76-13-1	Freon 113	ND	6.6	0.56	ug/kg	

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Report of Analysis

Page 2 of 2

Client Sample ID:	SB-3_0-2	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-9	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	93.0
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	6.6	0.82	ug/kg	
98-82-8	Isopropylbenzene	0.31	6.6	0.097	ug/kg	J
79-20-9	Methyl Acetate	ND	6.6	3.4	ug/kg	
108-87-2	Methylcyclohexane	ND	6.6	0.22	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.31	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.6	0.98	ug/kg	
75-09-2	Methylene chloride	ND	6.6	1.7	ug/kg	
100-42-5	Styrene	ND	6.6	0.12	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.6	0.17	ug/kg	
127-18-4	Tetrachloroethene	0.68	6.6	0.23	ug/kg	J
108-88-3	Toluene	1.3	1.3	0.14	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.6	0.22	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.6	0.18	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.6	0.14	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.6	0.23	ug/kg	
79-01-6	Trichloroethene	ND	6.6	0.23	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.6	0.39	ug/kg	
75-01-4	Vinyl chloride	ND	6.6	0.19	ug/kg	
	m,p-Xylene	0.71	1.3	0.23	ug/kg	J
95-47-6	o-Xylene	0.50	1.3	0.18	ug/kg	J
1330-20-7	Xylene (total)	1.2	1.3	0.18	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
17060-07-0	1,2-Dichloroethane-D4	82%		70-122%
2037-26-5	Toluene-D8	106%		81-127%
460-00-4	4-Bromofluorobenzene	102%		66-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 3

Client Sample ID:	SB-3_0-2	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-9	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	93.0
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M91861.D	1	02/28/13	OYA	02/26/13	OP63878	EM3722
Run #2							

Run #	Initial Weight	Final Volume
Run #1	31.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

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	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	35	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	ND	34	10	ug/kg	
208-96-8	Acenaphthylene	ND	34	11	ug/kg	
98-86-2	Acetophenone	ND	170	6.1	ug/kg	
120-12-7	Anthracene	ND	34	12	ug/kg	
1912-24-9	Atrazine	ND	170	6.8	ug/kg	
56-55-3	Benzo(a)anthracene	44.7	34	11	ug/kg	
50-32-8	Benzo(a)pyrene	42.9	34	11	ug/kg	
205-99-2	Benzo(b)fluoranthene	57.4	34	12	ug/kg	
191-24-2	Benzo(g,h,i)perylene	73.9	34	13	ug/kg	
207-08-9	Benzo(k)fluoranthene	23.6	34	13	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	69	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	69	20	ug/kg	
92-52-4	1,1'-Biphenyl	ND	69	4.0	ug/kg	
100-52-7	Benzaldehyde	ND	170	7.9	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	

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-3_0-2	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-9	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	93.0
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	69	11	ug/kg	
218-01-9	Chrysene	48.5	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	
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	ND	34	12	ug/kg	
132-64-9	Dibenzofuran	ND	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	ND	69	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	69	30	ug/kg	
206-44-0	Fluoranthene	60.5	34	15	ug/kg	
86-73-7	Fluorene	ND	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	340	35	ug/kg	
67-72-1	Hexachloroethane	ND	170	9.6	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	40.9	34	12	ug/kg	
78-59-1	Isophorone	ND	69	9.3	ug/kg	
91-57-6	2-Methylnaphthalene	59.7	69	19	ug/kg	J
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	19.5	34	9.4	ug/kg	J
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	50.1	34	16	ug/kg	
129-00-0	Pyrene	64.4	34	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		21-116%
4165-62-2	Phenol-d5	36%		19-117%

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Report of Analysis

Page 3 of 3

Client Sample ID:	SB-3_0-2	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-9	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	93.0
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	52%		24-136%
4165-60-0	Nitrobenzene-d5	46%		21-122%
321-60-8	2-Fluorobiphenyl	48%		30-117%
1718-51-0	Terphenyl-d14	48%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.70	270	ug/kg	J
	unknown	3.83	1400	ug/kg	J
	unknown	4.00	210	ug/kg	J
	unknown	4.36	310	ug/kg	J
	unknown	7.19	150	ug/kg	J
	unknown	7.72	160	ug/kg	J
	unknown	8.54	140	ug/kg	J
	Naphthalene dimethyl	9.51	230	ug/kg	J
	unknown	9.68	210	ug/kg	J
	alkane	9.80	160	ug/kg	J
10544-50-0	Cyclic octaatomic sulfur	15.20	150	ug/kg	JN
	Total TIC, Semi-Volatile		3120	ug/kg	J

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 1 of 1

Client Sample ID:	SB-3_0-2	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-9	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	93.0
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	7880	54	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Antimony	< 2.2	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Arsenic	2.4	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Barium	81.2	22	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	< 0.22	0.22	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	< 0.54	0.54	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Calcium	42000	540	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	10.3	1.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Cobalt	< 5.4	5.4	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Copper	22.5	2.7	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Iron	13300	54	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Lead	43.0	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Magnesium	26900	540	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	156	1.6	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	0.043	0.035	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹ SW846 7471B ³
Nickel	12.4	4.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Potassium	4290	1100	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.2	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Silver	< 0.54	0.54	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Sodium	< 1100	1100	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Thallium	< 1.1	1.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Vanadium	27.0	5.4	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	56.8	2.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30595

(3) Prep QC Batch: MP70073

(4) Prep QC Batch: MP70078

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	SB-3_0-2	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-9R	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	93.0
Method:	SW846 8081B SW846 3546		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G73302.D	1	03/02/13	HQ	02/25/13	OP63866	G3G2529
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.69	0.32	ug/kg	
319-84-6	alpha-BHC ^a	1.1	0.69	0.21	ug/kg	
319-85-7	beta-BHC ^a	1.2	0.69	0.43	ug/kg	
319-86-8	delta-BHC	1.5	0.69	0.34	ug/kg	
58-89-9	gamma-BHC (Lindane)	1.1	0.69	0.34	ug/kg	
5103-71-9	alpha-Chlordane ^b	1.4	0.69	0.26	ug/kg	
5103-74-2	gamma-Chlordane	2.0	0.69	0.48	ug/kg	
60-57-1	Dieldrin ^a	1.2	0.69	0.27	ug/kg	
72-54-8	4,4' -DDD	8.7	0.69	0.38	ug/kg	
72-55-9	4,4' -DDE	3.4	0.69	0.28	ug/kg	
50-29-3	4,4' -DDT ^a	2.5	0.69	0.34	ug/kg	
72-20-8	Endrin	ND	0.69	0.22	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.69	0.30	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.69	0.36	ug/kg	
959-98-8	Endosulfan-I	ND	0.69	0.26	ug/kg	
33213-65-9	Endosulfan-II	ND	0.69	0.42	ug/kg	
76-44-8	Heptachlor	ND	0.69	0.34	ug/kg	
1024-57-3	Heptachlor epoxide	1.3	0.69	0.26	ug/kg	
72-43-5	Methoxychlor	ND	1.4	0.68	ug/kg	
53494-70-5	Endrin ketone	ND	0.69	0.28	ug/kg	
8001-35-2	Toxaphene	ND	17	8.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	55%		23-137%
877-09-8	Tetrachloro-m-xylene	52%		23-137%
2051-24-3	Decachlorobiphenyl	40%		22-160%
2051-24-3	Decachlorobiphenyl	37%		22-160%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

(b) Reported from 2nd signal due to interference on 1st signal.

ND = Not detected MDL - Method Detection Limit

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Report of Analysis

Page 1 of 1

Client Sample ID:	SB-3_0-2	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-9R	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	93.0
Method:	SW846 8082A SW846 3546		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX130581.D	1	02/28/13	JR	02/25/13	OP63865	GXX4603
Run #2							

	Initial Weight	Final Volume
Run #1	15.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	35	9.0	ug/kg	
11104-28-2	Aroclor 1221	ND	35	21	ug/kg	
11141-16-5	Aroclor 1232	ND	35	18	ug/kg	
53469-21-9	Aroclor 1242	ND	35	11	ug/kg	
12672-29-6	Aroclor 1248	ND	35	11	ug/kg	
11097-69-1	Aroclor 1254	ND	35	16	ug/kg	
11096-82-5	Aroclor 1260	68.0	35	11	ug/kg	
11100-14-4	Aroclor 1268	ND	35	10	ug/kg	
37324-23-5	Aroclor 1262	ND	35	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		22-141%
877-09-8	Tetrachloro-m-xylene	79%		22-141%
2051-24-3	Decachlorobiphenyl	76%		18-163%
2051-24-3	Decachlorobiphenyl	91%		18-163%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration 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:	SB-4_0-2	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-10	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.0
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D205684.D	1	02/21/13	ET	n/a	n/a	VD8390
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	9.0 g	10.0 ml	100 ul
Run #2			

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	650	110	ug/kg	
71-43-2	Benzene	25.4	65	7.7	ug/kg	J
74-97-5	Bromochloromethane	ND	320	17	ug/kg	
75-27-4	Bromodichloromethane	ND	320	6.8	ug/kg	
75-25-2	Bromoform	ND	320	9.8	ug/kg	
74-83-9	Bromomethane	ND	320	18	ug/kg	
78-93-3	2-Butanone (MEK)	ND	650	150	ug/kg	
75-15-0	Carbon disulfide	ND	320	7.6	ug/kg	
56-23-5	Carbon tetrachloride	ND	320	8.6	ug/kg	
108-90-7	Chlorobenzene	445	320	7.0	ug/kg	
75-00-3	Chloroethane	ND	320	15	ug/kg	
67-66-3	Chloroform	ND	320	5.3	ug/kg	
74-87-3	Chloromethane	ND	320	12	ug/kg	
110-82-7	Cyclohexane	285	320	8.0	ug/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	650	58	ug/kg	
124-48-1	Dibromochloromethane	ND	320	11	ug/kg	
106-93-4	1,2-Dibromoethane	ND	65	8.2	ug/kg	
95-50-1	1,2-Dichlorobenzene	59.3	320	12	ug/kg	J
541-73-1	1,3-Dichlorobenzene	13.8	320	12	ug/kg	J
106-46-7	1,4-Dichlorobenzene	110	320	11	ug/kg	J
75-71-8	Dichlorodifluoromethane	ND	320	15	ug/kg	
75-34-3	1,1-Dichloroethane	ND	320	8.9	ug/kg	
107-06-2	1,2-Dichloroethane	ND	65	8.7	ug/kg	
75-35-4	1,1-Dichloroethene	ND	320	17	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	320	12	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	320	15	ug/kg	
78-87-5	1,2-Dichloropropane	ND	320	10	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	320	9.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	320	10	ug/kg	
123-91-1	1,4-Dioxane	ND	8100	3900	ug/kg	
100-41-4	Ethylbenzene	149	65	17	ug/kg	
76-13-1	Freon 113	ND	320	28	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 3

Client Sample ID: SB-4_0-2	Date Sampled: 02/14/13
Lab Sample ID: JB28972-10	Date Received: 02/15/13
Matrix: SO - Soil	Percent Solids: 92.0
Method: SW846 8260B	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	320	40	ug/kg	
98-82-8	Isopropylbenzene	695	320	4.8	ug/kg	
79-20-9	Methyl Acetate	ND	320	170	ug/kg	
108-87-2	Methylcyclohexane	3260	320	11	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	65	15	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	320	49	ug/kg	
75-09-2	Methylene chloride	ND	320	82	ug/kg	
100-42-5	Styrene	ND	320	5.9	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	320	8.5	ug/kg	
127-18-4	Tetrachloroethene	ND	320	11	ug/kg	
108-88-3	Toluene	148	65	6.8	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	320	11	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	320	9.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	320	6.9	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	320	11	ug/kg	
79-01-6	Trichloroethene	ND	320	11	ug/kg	
75-69-4	Trichlorofluoromethane	ND	320	19	ug/kg	
75-01-4	Vinyl chloride	ND	320	9.3	ug/kg	
	m,p-Xylene	665	65	11	ug/kg	
95-47-6	o-Xylene	257	65	9.0	ug/kg	
1330-20-7	Xylene (total)	922	65	9.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
17060-07-0	1,2-Dichloroethane-D4	103%		70-122%
2037-26-5	Toluene-D8	107%		81-127%
460-00-4	4-Bromofluorobenzene	102%		66-132%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	alkane	12.34	5800	ug/kg	J
	alkane	14.09	3500	ug/kg	J
	alkane	14.23	3500	ug/kg	J
108-67-8	Benzene, 1,3,5-trimethyl-	16.20	4400	ug/kg	JN
	C4 alkyl benzene	17.30	5300	ug/kg	J
	Indane + C4 alkyl benzene	17.40	15000	ug/kg	J
	C4 alkyl benzene	17.82	14000	ug/kg	J
	1H-indene-dihydro-methyl	17.94	4800	ug/kg	J
	1H-indene-dihydro-methyl	18.01	6900	ug/kg	J

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

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Report of Analysis

Page 3 of 3

Client Sample ID: SB-4_0-2	Date Sampled: 02/14/13
Lab Sample ID: JB28972-10	Date Received: 02/15/13
Matrix: SO - Soil	Percent Solids: 92.0
Method: SW846 8260B	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

VOA TCL List (SOM0 1.1)

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	C4 alkyl benzene	18.26	8700	ug/kg	J
	C4 alkyl benzene	18.33	6800	ug/kg	J
	C5 alkyl benzene	18.37	4700	ug/kg	J
	1H-indene-dihydro-methyl	18.68	10000	ug/kg	J
	1H-indene-dihydro-methyl	18.89	11000	ug/kg	J
	dihydro-dimethylindene + C5 alkylbenzene	19.21	7600	ug/kg	J
	Total TIC, Volatile		112000	ug/kg	J

(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:	SB-4_0-2	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-10	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.0
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F21039.D	2	03/02/13	NAP	02/26/13	OP63878	EF5094
Run #2							

Run #	Initial Weight	Final Volume
Run #1	31.6 g	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	340	69	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	340	69	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	340	110	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	340	120	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	1400	84	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	1400	84	ug/kg	
95-48-7	2-Methylphenol	ND	140	78	ug/kg	
	3&4-Methylphenol	ND	140	87	ug/kg	
88-75-5	2-Nitrophenol	ND	340	73	ug/kg	
100-02-7	4-Nitrophenol	ND	690	120	ug/kg	
87-86-5	Pentachlorophenol	ND	690	120	ug/kg	
108-95-2	Phenol	ND	140	72	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	340	71	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	340	80	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	340	65	ug/kg	
83-32-9	Acenaphthene	331	69	20	ug/kg	
208-96-8	Acenaphthylene	125	69	22	ug/kg	
98-86-2	Acetophenone	ND	340	12	ug/kg	
120-12-7	Anthracene	553	69	24	ug/kg	
1912-24-9	Atrazine	ND	340	14	ug/kg	
56-55-3	Benzo(a)anthracene	1050	69	22	ug/kg	
50-32-8	Benzo(a)pyrene	977	69	21	ug/kg	
205-99-2	Benzo(b)fluoranthene	1060	69	23	ug/kg	
191-24-2	Benzo(g,h,i)perylene	627	69	26	ug/kg	
207-08-9	Benzo(k)fluoranthene	584	69	26	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	140	25	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	140	40	ug/kg	
92-52-4	1,1'-Biphenyl	ND	140	8.0	ug/kg	
100-52-7	Benzaldehyde	ND	340	16	ug/kg	
91-58-7	2-Chloronaphthalene	ND	140	21	ug/kg	
106-47-8	4-Chloroaniline	ND	340	22	ug/kg	
86-74-8	Carbazole	191	140	32	ug/kg	

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Report of Analysis

Page 2 of 3

Client Sample ID:	SB-4_0-2	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-10	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.0
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	140	22	ug/kg	
218-01-9	Chrysene	1090	69	23	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	140	28	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	140	21	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	140	20	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	140	21	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	140	30	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	140	26	ug/kg	
91-94-1	3,3' -Dichlorobenzidine	ND	340	17	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	172	69	23	ug/kg	
132-64-9	Dibenzofuran	160	140	20	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	140	15	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	140	34	ug/kg	
84-66-2	Diethyl phthalate	ND	140	23	ug/kg	
131-11-3	Dimethyl phthalate	ND	140	24	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	577	140	61	ug/kg	
206-44-0	Fluoranthene	3000	69	30	ug/kg	
86-73-7	Fluorene	407	69	23	ug/kg	
118-74-1	Hexachlorobenzene	ND	140	22	ug/kg	
87-68-3	Hexachlorobutadiene	ND	69	19	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	690	70	ug/kg	
67-72-1	Hexachloroethane	ND	340	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	517	69	24	ug/kg	
78-59-1	Isophorone	ND	140	19	ug/kg	
91-57-6	2-Methylnaphthalene	1970	140	38	ug/kg	
88-74-4	2-Nitroaniline	ND	340	30	ug/kg	
99-09-2	3-Nitroaniline	ND	340	28	ug/kg	
100-01-6	4-Nitroaniline	ND	340	27	ug/kg	
91-20-3	Naphthalene	ND	69	19	ug/kg	
98-95-3	Nitrobenzene	ND	140	20	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	140	17	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	340	41	ug/kg	
85-01-8	Phenanthrene	2000	69	31	ug/kg	
129-00-0	Pyrene	2350	69	26	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	340	21	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		21-116%
4165-62-2	Phenol-d5	53%		19-117%

ND = Not detected MDL - Method Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4_0-2	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-10	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.0
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	54%		24-136%
4165-60-0	Nitrobenzene-d5	53%		21-122%
321-60-8	2-Fluorobiphenyl	52%		30-117%
1718-51-0	Terphenyl-d14	52%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	C3 alkyl benzene	4.58	2800	ug/kg	J
	C4 alkyl benzene	5.14	3400	ug/kg	J
	C4 alkyl benzene	5.21	2500	ug/kg	J
	C4 alkyl benzene	5.23	5400	ug/kg	J
	C4 alkyl benzene	5.44	3000	ug/kg	J
	C4 alkyl benzene	5.85	6300	ug/kg	J
	C4 alkyl benzene	5.89	5600	ug/kg	J
	-Phenyl--butene	6.10	7500	ug/kg	J
	Benzene, -ethenyl--ethyl-	6.22	9800	ug/kg	J
	C5 alkyl benzene	6.42	2900	ug/kg	J
	unknown	6.65	2900	ug/kg	J
	unknown	6.69	2500	ug/kg	J
	alkane	6.73	2600	ug/kg	J
	unknown	7.05	4300	ug/kg	J
	alkane	7.30	5200	ug/kg	J
90-12-0	Naphthalene, 1-methyl-	7.81	4900	ug/kg	JN
	alkane	8.98	3400	ug/kg	J
	Decahydro--pentamethylna	9.15	2300	ug/kg	J
	Naphthalene trimethyl	9.85	2200	ug/kg	J
	unknown	13.00	2200	ug/kg	J
	unknown	13.08	3000	ug/kg	J
	alkane	14.72	4100	ug/kg	J
	alkane	15.23	3500	ug/kg	J
	unknown	17.01	2800	ug/kg	J
	unknown	17.41	6200	ug/kg	J
	Total TIC, Semi-Volatile		101300	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 1 of 1

Client Sample ID: SB-4_0-2
Lab Sample ID: JB28972-10
Matrix: SO - Soil

Date Sampled: 02/14/13
Date Received: 02/15/13
Percent Solids: 92.0

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	8830	53	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Antimony	< 2.1	2.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Arsenic	11.3	2.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Barium	175	21	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Beryllium	0.30	0.21	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Cadmium	1.5	0.53	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Calcium	15200	530	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Chromium	23.4	1.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Cobalt	5.8	5.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Copper	65.8	2.7	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Iron	16600	53	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Lead	423	2.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Magnesium	11000	530	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Manganese	172	1.6	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Mercury	0.11	0.031	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹
Nickel	20.6	4.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Potassium	3940	1100	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Selenium	< 2.1	2.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Silver	< 0.53	0.53	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Sodium	< 1100	1100	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Thallium	< 1.1	1.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Vanadium	35.2	5.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Zinc	116	2.1	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30595

(3) Prep QC Batch: MP70073

(4) Prep QC Batch: MP70078

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	FB_21413	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-11	Date Received:	02/15/13
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A131878.D	1	02/19/13	CC	n/a	n/a	V2A5627
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	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: FB_21413	Date Sampled: 02/14/13
Lab Sample ID: JB28972-11	Date Received: 02/15/13
Matrix: AQ - Field Blank Soil	Percent Solids: n/a
Method: SW846 8260B	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		81-121%
17060-07-0	1,2-Dichloroethane-D4	95%		74-127%
2037-26-5	Toluene-D8	94%		80-122%
460-00-4	4-Bromofluorobenzene	98%		78-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

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 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID:	FB_21413	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-11	Date Received:	02/15/13
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2P20286.D	1	02/21/13	ALS	02/20/13	OP63732	E2P898
Run #2							

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

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.97	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.5	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	17	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.99	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.0	ug/l	
	3&4-Methylphenol	ND	2.0	0.93	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.5	ug/l	
100-02-7	4-Nitrophenol	ND	10	5.2	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.4	ug/l	
108-95-2	Phenol	ND	2.0	1.3	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.94	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.6	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.3	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.26	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.23	ug/l	
98-86-2	Acetophenone	ND	2.0	0.29	ug/l	
120-12-7	Anthracene	ND	1.0	0.29	ug/l	
1912-24-9	Atrazine	ND	5.0	0.49	ug/l	
100-52-7	Benzaldehyde	ND	5.0	3.3	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.46	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.32	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.36	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.29	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.30	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.53	ug/l	
86-74-8	Carbazole	ND	1.0	0.36	ug/l	

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Report of Analysis

Page 2 of 3

Client Sample ID:	FB_21413	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-11	Date Received:	02/15/13
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.69	ug/l	
218-01-9	Chrysene	ND	1.0	0.29	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.31	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	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.31	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.43	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.46	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.0	0.36	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.38	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.27	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.56	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.31	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.33	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.28	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.59	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.32	ug/l	
86-73-7	Fluorene	ND	1.0	0.28	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.51	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	7.1	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.55	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.37	ug/l	
78-59-1	Isophorone	ND	2.0	0.27	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.38	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	1.7	ug/l	
91-20-3	Naphthalene	ND	1.0	0.26	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.42	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.30	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.31	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.29	ug/l	
129-00-0	Pyrene	ND	1.0	0.27	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.31	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		10-83%
1465-62-2	Phenol-d5	32%		10-74%

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Report of Analysis

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Client Sample ID:	FB_21413	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-11	Date Received:	02/15/13
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	83%		24-148%
4165-60-0	Nitrobenzene-d5	84%		38-129%
321-60-8	2-Fluorobiphenyl	81%		42-117%
1718-51-0	Terphenyl-d14	96%		14-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/l	

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Report of Analysis

Page 1 of 1

Client Sample ID: FB_21413	Date Sampled: 02/14/13
Lab Sample ID: JB28972-11	Date Received: 02/15/13
Matrix: AQ - Field Blank Soil	Percent Solids: n/a
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Antimony	< 6.0	6.0	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Arsenic	< 3.0	3.0	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Barium	< 200	200	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Beryllium	< 1.0	1.0	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Cadmium	< 3.0	3.0	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Calcium	< 5000	5000	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Chromium	< 10	10	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Cobalt	< 50	50	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Copper	< 10	10	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Iron	< 100	100	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Lead	< 3.0	3.0	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Magnesium	< 5000	5000	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Manganese	< 15	15	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Mercury	< 0.20	0.20	ug/l	1	02/27/13	02/27/13	JW	SW846 7470A ² SW846 7470A ⁴
Nickel	< 10	10	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Potassium	< 10000	10000	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Selenium	< 10	10	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Silver	< 10	10	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Sodium	< 10000	10000	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Thallium	< 2.0	2.0	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Vanadium	< 50	50	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³
Zinc	< 20	20	ug/l	1	02/18/13	02/20/13	ND	SW846 6010C ¹ SW846 3010A ³

(1) Instrument QC Batch: MA30523

(2) Instrument QC Batch: MA30579

(3) Prep QC Batch: MP69877

(4) Prep QC Batch: MP70061

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	FB_21413	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-11R	Date Received:	02/15/13
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8081B SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	1G89114.D	1	03/05/13	DS	02/22/13	OP63832	G1G2926
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.010	0.0079	ug/l	
319-84-6	alpha-BHC	ND	0.010	0.0023	ug/l	
319-85-7	beta-BHC	ND	0.010	0.0023	ug/l	
319-86-8	delta-BHC	ND	0.010	0.0019	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.010	0.0017	ug/l	
5103-71-9	alpha-Chlordane	ND	0.010	0.0029	ug/l	
5103-74-2	gamma-Chlordane	ND	0.010	0.0021	ug/l	
60-57-1	Dieldrin	ND	0.010	0.0016	ug/l	
72-54-8	4,4' -DDD	ND	0.010	0.0025	ug/l	
72-55-9	4,4' -DDE	ND	0.010	0.0017	ug/l	
50-29-3	4,4' -DDT	ND	0.010	0.0032	ug/l	
72-20-8	Endrin	ND	0.010	0.0020	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.010	0.0019	ug/l	
7421-93-4	Endrin aldehyde	ND	0.010	0.0037	ug/l	
53494-70-5	Endrin ketone	ND	0.010	0.0047	ug/l	
959-98-8	Endosulfan-I	ND	0.010	0.0028	ug/l	
33213-65-9	Endosulfan-II	ND	0.010	0.0020	ug/l	
76-44-8	Heptachlor	ND	0.010	0.0022	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.010	0.0026	ug/l	
72-43-5	Methoxychlor	ND	0.020	0.0041	ug/l	
8001-35-2	Toxaphene	ND	0.25	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		26-145%
877-09-8	Tetrachloro-m-xylene	90%		26-145%
2051-24-3	Decachlorobiphenyl	52%		10-141%
2051-24-3	Decachlorobiphenyl	56%		10-141%

(a) Sample extracted outside the holding time per client's request.

ND = Not detected MDL - Method Detection Limit

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Report of Analysis

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Client Sample ID:	FB_21413	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-11R	Date Received:	02/15/13
Matrix:	AQ - Field Blank Soil	Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	XX130404.D	1	02/23/13	JR	02/22/13	OP63831	GXX4600
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.13	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.27	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.39	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.086	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.14	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.21	ug/l	
11100-14-4	Aroclor 1268	ND	0.50	0.13	ug/l	
37324-23-5	Aroclor 1262	ND	0.50	0.060	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		27-144%
877-09-8	Tetrachloro-m-xylene	100%		27-144%
2051-24-3	Decachlorobiphenyl	72%		10-139%
2051-24-3	Decachlorobiphenyl	68%		10-139%

(a) Sample extracted outside the holding time per client's request.

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Report of Analysis

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Client Sample ID:	TRIP BLANK	Date Sampled:	02/15/13
Lab Sample ID:	JB28972-12	Date Received:	02/15/13
Matrix:	AQ - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2A131879.D	1	02/19/13	CC	n/a	n/a	V2A5627
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	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:	TRIP BLANK	Date Sampled:	02/15/13
Lab Sample ID:	JB28972-12	Date Received:	02/15/13
Matrix:	AQ - Trip Blank Soil	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		81-121%
17060-07-0	1,2-Dichloroethane-D4	95%		74-127%
2037-26-5	Toluene-D8	94%		80-122%
460-00-4	4-Bromofluorobenzene	98%		78-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	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 1 of 2

Client Sample ID:	SBA-1_0-2	Date Sampled:	02/15/13
Lab Sample ID:	JB28972-13	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	86.9
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	A191980.D	1	02/25/13	OTR	n/a	n/a	VA7227
Run #2							

	Initial Weight
Run #1	4.6 g
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	2.1	ug/kg	
71-43-2	Benzene	ND	1.3	0.15	ug/kg	
74-97-5	Bromochloromethane	ND	6.3	0.33	ug/kg	
75-27-4	Bromodichloromethane	ND	6.3	0.13	ug/kg	
75-25-2	Bromoform	ND	6.3	0.19	ug/kg	
74-83-9	Bromomethane	ND	6.3	0.34	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	3.0	ug/kg	
75-15-0	Carbon disulfide	ND	6.3	0.15	ug/kg	
56-23-5	Carbon tetrachloride	ND	6.3	0.17	ug/kg	
108-90-7	Chlorobenzene	ND	6.3	0.14	ug/kg	
75-00-3	Chloroethane	ND	6.3	0.28	ug/kg	
67-66-3	Chloroform	ND	6.3	0.10	ug/kg	
74-87-3	Chloromethane	ND	6.3	0.23	ug/kg	
110-82-7	Cyclohexane	ND	6.3	0.16	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	13	1.1	ug/kg	
124-48-1	Dibromochloromethane	ND	6.3	0.21	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.16	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	6.3	0.24	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	6.3	0.23	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	6.3	0.22	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.3	0.29	ug/kg	
75-34-3	1,1-Dichloroethane	ND	6.3	0.17	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.17	ug/kg	
75-35-4	1,1-Dichloroethene	ND	6.3	0.32	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	6.3	0.23	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	6.3	0.30	ug/kg	
78-87-5	1,2-Dichloropropane	ND	6.3	0.19	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	0.19	ug/kg	
123-91-1	1,4-Dioxane	ND	160	74	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.33	ug/kg	
76-13-1	Freon 113	ND	6.3	0.54	ug/kg	

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:	SBA-1_0-2	Date Sampled:	02/15/13
Lab Sample ID:	JB28972-13	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	86.9
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	6.3	0.78	ug/kg	
98-82-8	Isopropylbenzene	ND	6.3	0.093	ug/kg	
79-20-9	Methyl Acetate	ND	6.3	3.3	ug/kg	
108-87-2	Methylcyclohexane	ND	6.3	0.21	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.29	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.3	0.94	ug/kg	
75-09-2	Methylene chloride	ND	6.3	1.6	ug/kg	
100-42-5	Styrene	ND	6.3	0.11	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	6.3	0.17	ug/kg	
127-18-4	Tetrachloroethene	ND	6.3	0.22	ug/kg	
108-88-3	Toluene	ND	1.3	0.13	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.3	0.21	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.3	0.17	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	6.3	0.13	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	6.3	0.22	ug/kg	
79-01-6	Trichloroethene	ND	6.3	0.22	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.3	0.37	ug/kg	
75-01-4	Vinyl chloride	ND	6.3	0.18	ug/kg	
	m,p-Xylene	ND	1.3	0.22	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.17	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
17060-07-0	1,2-Dichloroethane-D4	78%		70-122%
2037-26-5	Toluene-D8	106%		81-127%
460-00-4	4-Bromofluorobenzene	102%		66-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	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 1 of 3

Client Sample ID:	SBA-1_0-2	Date Sampled:	02/15/13
Lab Sample ID:	JB28972-13	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	86.9
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M91855.D	1	02/28/13	OYA	02/26/13	OP63878	EM3722
Run #2							

Run #	Initial Weight	Final Volume
Run #1	31.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

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	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	38	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	ND	37	11	ug/kg	
208-96-8	Acenaphthylene	ND	37	12	ug/kg	
98-86-2	Acetophenone	ND	180	6.5	ug/kg	
120-12-7	Anthracene	ND	37	13	ug/kg	
1912-24-9	Atrazine	ND	180	7.3	ug/kg	
56-55-3	Benzo(a)anthracene	28.3	37	12	ug/kg	J
50-32-8	Benzo(a)pyrene	22.4	37	11	ug/kg	J
205-99-2	Benzo(b)fluoranthene	34.1	37	12	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	19.4	37	14	ug/kg	J
207-08-9	Benzo(k)fluoranthene	14.5	37	14	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	74	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	74	21	ug/kg	
92-52-4	1,1'-Biphenyl	ND	74	4.3	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.5	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	ND	74	17	ug/kg	

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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:	SBA-1_0-2	Date Sampled:	02/15/13
Lab Sample ID:	JB28972-13	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	86.9
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	74	12	ug/kg	
218-01-9	Chrysene	25.1	37	12	ug/kg	J
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	
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	ND	37	13	ug/kg	
132-64-9	Dibenzofuran	ND	74	11	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	46.0	37	16	ug/kg	
86-73-7	Fluorene	ND	37	12	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	370	38	ug/kg	
67-72-1	Hexachloroethane	ND	180	10	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	20.0	37	13	ug/kg	J
78-59-1	Isophorone	ND	74	9.9	ug/kg	
91-57-6	2-Methylnaphthalene	ND	74	21	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	ND	37	10	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	ND	37	17	ug/kg	
129-00-0	Pyrene	46.8	37	14	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%		21-116%
4165-62-2	Phenol-d5	31%		19-117%

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 3 of 3

Client Sample ID:	SBA-1_0-2	Date Sampled:	02/15/13
Lab Sample ID:	JB28972-13	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	86.9
Method:	SW846 8270D SW846 3550C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	62%		24-136%
4165-60-0	Nitrobenzene-d5	37%		21-122%
321-60-8	2-Fluorobiphenyl	47%		30-117%
1718-51-0	Terphenyl-d14	60%		31-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.69	220	ug/kg	J
	unknown	18.72	320	ug/kg	J
	Total TIC, Semi-Volatile		320	ug/kg	J

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 1

Client Sample ID:	SBA-1_0-2	Date Sampled:	02/15/13
Lab Sample ID:	JB28972-13	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	86.9
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	16900	58	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Antimony	< 2.3	2.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Arsenic	< 2.3	2.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Barium	149	23	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Beryllium	0.46	0.23	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Cadmium	< 0.58	0.58	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Calcium	8290	580	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Chromium	25.3	1.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Cobalt	8.9	5.8	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Copper	37.1	2.9	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Iron	23500	58	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Lead	14.3	2.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Magnesium	5710	580	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Manganese	301	1.7	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Mercury	< 0.035	0.035	mg/kg	1	02/28/13	02/28/13	CS	SW846 7471B ¹
Nickel	18.9	4.6	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Potassium	7220	1200	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Selenium	< 2.3	2.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Silver	< 0.58	0.58	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Sodium	< 1200	1200	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Thallium	< 1.2	1.2	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Vanadium	39.7	5.8	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²
Zinc	95.7	2.3	mg/kg	1	02/28/13	03/01/13	ND	SW846 6010C ²

(1) Instrument QC Batch: MA30585

(2) Instrument QC Batch: MA30595

(3) Prep QC Batch: MP70073

(4) Prep QC Batch: MP70078

RL = Reporting Limit

Misc. Forms

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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.accufest.com

FED-EX Tracking #	Boiler Order Control # MV-1130/2013-17
Acculast Quote #	Acculast Job # JB28972

Client / Reporting Information						Project Information								Requested Analysis (see TEST CODE sheet)										Matrix Codes					
Company Name Hovv Associates Inc.						Project Name Echo Bay Redevelopment																		DW - Drinking Water					
Street Address 209 Shaffer St						Street 224 Main St																		GW - Ground Water					
City State Zip Klondike NY						Billing Information (if different from Report to) Company Name																		WW - Water					
Project Contact Rob Kovacs						E-mail																		SW - Surface Water					
Phone # 631 232 2600						Fax #																		SO - Sol					
Sample(s) Name(s) Alto Armann						Client Purchase Order #																		SL - Sludge					
						Project Manager																		SED - Sediment					
						Attention:																		OI - Oil					
																								LQ - Other Liquid					
																								AIR - Air					
																								SOL - Other Solid					
																								WP - Wipe					
																								FB-Field Blank					
																								EB-Equipment Blank					
																								RB- Rinse Blank					
																								TB-Trip Blank					
Accutest Sample #						Collection						Number of preserved Bottles						LAB USE ONLY											
Field ID / Point of Collection						MEOH/DI Vol # Date Time Sampled by Matrix # of bottles HCl NaOH HNO3 H2SO4 NONE DI/Vial MICH ENCORE																							
-1	SB-16-8-10					2/13/13 0930 AH SO 4						X X X																	
-2	SB-16-16-18					2/13/13 1015 AH SO 3						X X X						F78											
-3	SB-7-7-9					2/13/13 1100 AH SO 4						X X X						1962											
-4	SB-7-10-12					2/13/13 1130 AH SO 3						X X X						M37 T4											
-5	SB-5-10-12					2/13/13 1400 AH SO 4						X X X						E20											
-6	SB-5-13-15					2/13/13 1430 AH SO 3						X X X						A30											
-7	DUP-21313					2/13/13 1030 AH SO 3						X X X						2099G											
-8	FB-21313					2/13/13 1200 AH FB 8 3 1 4						X X X																	
-9	SB-3-0-2					2/14/13 1130 AH SO 4						X X X																	
-10	SB-4-0-2					2/14/13 1200 AH SO 4						X X X																	
-11	FB-21413					2/14/13 1000 AH FB 8 3 1 4						X X X																	
-12	Trie Blank					2/15/13 - - TB 2 X						X																	
Turnaround Time (Business days)						Data Deliverable Information						Comments / Special Instructions																	
☒ Std. 10 Business Days ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY ☐ other _____ Emergency & Rush T/A date available VIA Lablink						Approved By (Accutest PMI): / 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 hold all Pest/RB					
Sample Custody must be documented below each time samples change possession, including courier delivery.																													
Relinquished by Sampler <i>[Signature]</i>		Date/Time: 2/15/13 13:25	Received By: <i>[Signature]</i>		Relinquished by: <i>[Signature]</i>		Date/Time: 2/15/13	Received By: <i>[Signature]</i>		Custody Seal #		☐ Intact ☐ Not intact		Preserved when applicable ☐		On Ice ☒		Cooler Temp. 2.0°C 1.0°C											
Relinquish to by Sampler:		Date/Time:	Received By:		Relinquished by:		Date/Time:	Received By:																					
Relinquished by:		Date/Time:	Received By:		Custody Seal #		☐ Intact ☐ Not intact		Preserved when applicable ☐		On Ice ☒		Cooler Temp. 2.0°C 1.0°C																

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Cooler Temp. 2.0°C, 1.0°C
B B
57 B

JB28972: Chain of Custody

Page 1 of 6

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB28972 Client: _____ Project: _____
 Date / Time Received: 2/15/2013 Delivery Method: _____ Airbill #'s: _____
 Cooler Temps (Initial/Adjusted): #1: (2/2); #2: (1/1); 0

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: <u>Bar Therm</u>
3. Cooler media: <u>Ice (Bag)</u>
4. No. Coolers: <u>2</u>

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: <u>Intact</u>

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

Job Change Order: JB28972_2_20_2013

Requested Date: 2/20/2013 Received Date: 2/15/2013
Account Name: Roux Associates Due Date: 3/1/2013
Project: Echo Bay Redevelopment - City Yard, 224 East Deliverable: NYASPB
CSR: michello TAT (Days): 14

=====

Sample #: JB28972-5 Change: Please run for XPPTCL11
Dept:

SB-5_10-12
=====

Sample #: JB28972-8 Change: Please run for XPPTCL11
Dept:

FB_21313
=====

Sample #: JB28972-9 Change: Please run for XPPTCL11
Dept:

SB-3_0-2
=====

Sample #: JB28972-11 Change: Please run for XPPTCL11
Dept:

FB_21413
=====

Above Changes Per: Robert Kovacs Date: 2/20/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Job Change Order: JB28972_2_20_2013

Requested Date:	2/20/2013	Received Date:	2/15/2013
Account Name:	Roux Associates	Due Date:	3/1/2013
Project	Echo Bay Redevelopment - City Yard, 224 East	Deliverable:	NYASPB
CSR:	michello	TAT (Days):	14

JB28972: Chain of Custody
Page 5 of 6

Above Changes Per: Robert Kovacs **Date:** 2/20/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 2 of 2

Job Change Order: JB28972_3_20_2013

Requested Date:	3/20/2013	Received Date:	2/15/2013
Account Name:	Roux Associates	Due Date:	3/1/2013
Project	Echo Bay Redevelopment - City Yard, 224 East	Deliverable:	NYASPB
CSR:	MartyV	TAT (Days):	7

=====

Sample #: JB28972-1, 10
Dept:
Dept:

Change:
Relog for V8015GRO and B8015DRO44-- OK to run out of holding time.

=====

Above Changes Per: Robert Kovacs **Date:** 3/20/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1



04/22/13

Technical Report for

Roux Associates

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Accutest Job Number: JB28972T

Sampling Dates: 02/13/13 - 02/14/13

Report to:

Roux Associates

rmaxwell@rouxinc.com

ATTN: Richard Maxwell

Total number of pages in report: **17**



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.

A handwritten signature in black ink that reads 'Nancy F. Cole'.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Roux Associates

Job No: JB28972T

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JB28972-1T	02/13/13	09:30 AH	02/15/13	SO	Soil	SB-16_8-10
JB28972-10T	02/14/13	12:00 AH	02/15/13	SO	Soil	SB-4_0-2

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

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Roux Associates**Job No** JB28972T**Site:** Echo Bay Redevelopment - City Yard, 224 East Main Street, New R**Report Date** 4/11/2013 12:16:50 P

On 02/15/2013, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 2 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB28972T 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 GC By Method SW846 8015C

Matrix: SO**Batch ID:** GPF3060

- All method blanks for this batch meet method specific criteria.
- Sample(s) JB32010-3MS, JB32010-3MSD were used as the QC samples indicated.
- JB28972-10T: Sample analyzed outside the holding time per client's request.

Matrix: SO**Batch ID:** GPF3062

- All method blanks for this batch meet method specific criteria.
- Sample(s) JB31510-8MS, JB31510-8MSD were used as the QC samples indicated.
- JB28972-1T: Sample analyzed outside the holding time per client's request.

Extractables by GC By Method SW846 8015C

Matrix: SO**Batch ID:** OP64653

- All method blanks for this batch meet method specific criteria.
- Sample(s) JB32042-2MS, JB32042-2MSD were used as the QC samples indicated.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for TPH-DRO (C10-C44) are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- JB28972-1T: Sample extracted outside the holding time per client's request.
- JB28972-10T: Sample extracted outside the holding time per client's request.

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

Summary of Hits

Page 1 of 1

Job Number: JB28972T

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/13/13 thru 02/14/13

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

JB28972-1T SB-16_8-10

TPH-GRO (C6-C10) ^a	129	14	1.3	mg/kg	SW846 8015C
TPH-DRO (C10-C44) ^b	2730	11	4.3	mg/kg	SW846 8015C

JB28972-10T SB-4_0-2

TPH-GRO (C6-C10) ^a	348	12	1.1	mg/kg	SW846 8015C
TPH-DRO (C10-C44) ^b	4340	11	4.1	mg/kg	SW846 8015C

(a) Sample analyzed outside the holding time per client's request.

(b) Sample extracted outside the holding time per client's request.

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 1

Client Sample ID:	SB-16_8-10	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-1T	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	85.1
Method:	SW846 8015C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	PF05977.D	1	03/25/13	HT	n/a	n/a	GPF3062
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)	129	14	1.3	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	104%		66-119%		

(a) Sample analyzed outside the holding time per client's request.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration 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:	SB-16_8-10	Date Sampled:	02/13/13
Lab Sample ID:	JB28972-1T	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	85.1
Method:	SW846 8015C SW846 3546		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2Y51903.D	1	03/28/13	HP	03/22/13	OP64653	G2Y2074
Run #2							

	Initial Weight	Final Volume
Run #1	10.4 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C44)	2730	11	4.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	107%		13-142%
16416-32-3	Tetracosane-d50	75%		12-141%
438-22-2	5a-Androstane	105%		13-142%

(a) Sample extracted outside the holding time per client's request.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration 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:	SB-4_0-2	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-10T	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.0
Method:	SW846 8015C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	PF05938.D	1	03/23/13	HT	n/a	n/a	GPF3060
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)	348	12	1.1	mg/kg	
CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
98-08-8	aaa-Trifluorotoluene	101%		66-119%		

(a) Sample analyzed outside the holding time per client's request.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration 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:	SB-4_0-2	Date Sampled:	02/14/13
Lab Sample ID:	JB28972-10T	Date Received:	02/15/13
Matrix:	SO - Soil	Percent Solids:	92.0
Method:	SW846 8015C SW846 3546		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	2Y51904.D	1	03/28/13	HP	03/22/13	OP64653	G2Y2074
Run #2							

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

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-DRO (C10-C44)	4340	11	4.1	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	64%		13-142%
16416-32-3	Tetracosane-d50	56%		12-141%
438-22-2	5a-Androstane	36%		13-142%

(a) Sample extracted outside the holding time per client's request.

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 E = Indicates 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

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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 #		Order Order Control #	
		MY-1130/2013-17	
Accutest Quote #		Accutest Job #	
		JB28972	

Client / Reporting Information		Project Information		Requested Analysis (see TEST CODE sheet)		Matrix Codes	
Company Name Houx Associates Inc.		Project Name Echo Bay Redevelopment		AB8270TCL11+, MTA V8260TCL11+ Pest/PCB		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 WIP - Wire FB-Field Blank EB-Equipment Blank RB- Rinse Blank TB-Trip Blank	
Street Address 209 Shafter st		Street 224 Main st					
City Islandia NY		City New Rochelle NY					
State NY		State NY					
Zip 11759		Zip 10881					
Billing Information (if different from Report to)		Company Name					
Project Contact Rob Kovacs		Project #		Street Address			
Phone # 631 232 2600		Fax #		City		State	
Sample(s) Name(s) Altoffmann		Project Manager		Attention:			
Turnaround Time (Business days)		Approved By (Accutest PM): / Date:		Data Deliverable Information		Comments / Special Instructions	
☒ Std. 10 Business Days ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY ☐ other		☐ 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 hold all Pest/PCB	
Emergency & Rush T/A data available VIA Lablink		Sample Custody must be documented below each time samples change possession, including courier delivery.					
Relinquished by Sampler Chris Lait		Received By: Chris Lait		Date Time: 2/15/13 13:25		Received By: Stacy	
Relinquished by Sampler: 3		Received By: 3		Date Time:		Received By:	
Relinquished by: 5		Received By: 5		Date Time:		Received By:	
Custody Seal #		☐ Intact ☐ Not intact		Preserved when applicable ☐ Yes		On Ice ☒ Yes	
						Cooler Temp. 2.0°C, 1.0°C	

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JB28972T: Chain of Custody

Page 1 of 6

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB28972 Client: _____ Project: _____
 Date / Time Received: 2/15/2013 Delivery Method: _____ Airbill #'s: _____
 Cooler Temps (Initial/Adjusted): #1: (2/2); #2: (1/1); 0

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: <u>Bar Therm</u>
3. Cooler media: <u>Ice (Bag)</u>
4. No. Coolers: <u>2</u>

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: <u>Intact</u>

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

Job Change Order: JB28972_2_20_2013

Requested Date: 2/20/2013 Received Date: 2/15/2013
Account Name: Roux Associates Due Date: 3/1/2013
Project: Echo Bay Redevelopment - City Yard, 224 East Deliverable: NYASPB
CSR: michello TAT (Days): 14

=====

Sample #: JB28972-5 Change: Please run for XPPTCL11
Dept:

SB-5_10-12
=====

Sample #: JB28972-8 Change: Please run for XPPTCL11
Dept:

FB_21313
=====

Sample #: JB28972-9 Change: Please run for XPPTCL11
Dept:

SB-3_0-2
=====

Sample #: JB28972-11 Change: Please run for XPPTCL11
Dept:

FB_21413
=====

Above Changes Per: Robert Kovacs Date: 2/20/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Job Change Order: JB28972_2_20_2013

Requested Date:	2/20/2013	Received Date:	2/15/2013
Account Name:	Roux Associates	Due Date:	3/1/2013
Project	Echo Bay Redevelopment - City Yard, 224 East	Deliverable:	NYASPB
CSR:	michello	TAT (Days):	14

Above Changes Per: Robert Kovacs **Date:** 2/20/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 2 of 2

Job Change Order: JB28972_3_20_2013

Requested Date:	3/20/2013	Received Date:	2/15/2013
Account Name:	Roux Associates	Due Date:	3/1/2013
Project	Echo Bay Redevelopment - City Yard, 224 East	Deliverable:	NYASPB
CSR:	MartyV	TAT (Days):	7

=====

Sample #: JB28972-1, 10
Dept:
Dept:

Change:
Relog for V8015GRO and B8015DRO44-- OK to run out of holding time.

=====

JB28972T: Chain of Custody
Page 6 of 6

Above Changes Per: Robert Kovacs **Date:** 3/20/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1



04/22/13

Technical Report for

Roux Associates

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Accutest Job Number: JB29044

Sampling Date: 02/15/13

Report to:

Roux Associates

rmaxwell@rouxinc.com

ATTN: Richard Maxwell

Total number of pages in report: **19**



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.

A handwritten signature in black ink that reads 'Nancy F. Cole'.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Roux Associates

Job No: JB29044

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JB29044-1	02/15/13	14:40 AH	02/16/13	AQ	Ground Water	SB-3/GW
JB29044-1F	02/15/13	14:40 AH	02/16/13	AQ	Groundwater Filtered	SB-3/GWF

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Roux Associates**Job No** JB29044**Site:** Echo Bay Redevelopment - City Yard, 224 East Main Street, New R**Report Date** 3/5/2013 6:44:29 PM

On 02/16/2013, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 3 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB29044 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:** V4B1194

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB28643-4MS, JB28643-4MSD were used as the QC samples indicated.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ**Batch ID:** OP63781

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29044-1MS, JB29044-1MSD were used as the QC samples indicated.
- RPD(s) for MSD for 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dinitrophenol, 2-Nitrophenol, 3,3'-Dichlorobenzidine, Pentachlorophenol are outside of in house control limits for sample OP63781-MSD.

Extractables by GC By Method SW846 8081B

Matrix: AQ**Batch ID:** OP63793

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29268-3MS, JB29268-3MSD were used as the QC samples indicated.

Extractables by GC By Method SW846 8082A

Matrix: AQ**Batch ID:** OP63792

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29268-4MS, JB29268-4MSD were used as the QC samples indicated.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP69972

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29256-1FMS, JB29256-1FMSD, JB29256-1FSDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Manganese are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Serial Dilution for Aluminum, Arsenic, Cadmium, Copper, Selenium, Silver, Zinc are outside control limits for sample MP69972-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- JB29044-1F for Thallium: Elevated detection limit due to dilution required for matrix interference.

Metals By Method SW846 7470A

Matrix: AQ

Batch ID: MP70087

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29040-1MS, JB29040-1MSD were used as the QC samples for metals.

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

Summary of Hits

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Job Number: JB29044

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/15/13



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

JB29044-1 SB-3/GW

Aluminum	715	200			ug/l	SW846 6010C
Calcium	63500	5000			ug/l	SW846 6010C
Copper	23.7	10			ug/l	SW846 6010C
Iron	2200	100			ug/l	SW846 6010C
Lead	7.4	3.0			ug/l	SW846 6010C
Magnesium	13400	5000			ug/l	SW846 6010C
Manganese	672	15			ug/l	SW846 6010C
Mercury	0.27	0.20			ug/l	SW846 7470A
Nickel	13.4	10			ug/l	SW846 6010C
Sodium	512000	20000			ug/l	SW846 6010C

JB29044-1F SB-3/GWF

Calcium	64000	5000			ug/l	SW846 6010C
Copper	12.9	10			ug/l	SW846 6010C
Iron	1380	100			ug/l	SW846 6010C
Magnesium	13300	5000			ug/l	SW846 6010C
Manganese	674	15			ug/l	SW846 6010C
Nickel	17.2	10			ug/l	SW846 6010C
Sodium	509000	20000			ug/l	SW846 6010C

Sample Results

Report of Analysis

Report of Analysis

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Client Sample ID:	SB-3/GW	Date Sampled:	02/15/13
Lab Sample ID:	JB29044-1	Date Received:	02/16/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4B27246.D	1	02/25/13	TYG	n/a	n/a	V4B1194
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	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: SB-3/GW	Date Sampled: 02/15/13
Lab Sample ID: JB29044-1	Date Received: 02/16/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	115%		81-121%
17060-07-0	1,2-Dichloroethane-D4	103%		74-127%
2037-26-5	Toluene-D8	119%		80-122%
460-00-4	4-Bromofluorobenzene	113%		78-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

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Report of Analysis

Page 1 of 3

Client Sample ID:	SB-3/GW	Date Sampled:	02/15/13
Lab Sample ID:	JB29044-1	Date Received:	02/16/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P71055.D	1	02/23/13	KLS	02/21/13	OP63781	EP3038
Run #2							

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

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.97	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.5	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	17	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.99	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.0	ug/l	
	3&4-Methylphenol	ND	2.0	0.93	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.5	ug/l	
100-02-7	4-Nitrophenol	ND	10	5.2	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.4	ug/l	
108-95-2	Phenol	ND	2.0	1.3	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.94	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.6	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.3	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.26	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.23	ug/l	
98-86-2	Acetophenone	ND	2.0	0.29	ug/l	
120-12-7	Anthracene	ND	1.0	0.29	ug/l	
1912-24-9	Atrazine	ND	5.0	0.49	ug/l	
100-52-7	Benzaldehyde	ND	5.0	3.3	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.46	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.32	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.36	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.29	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.30	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.53	ug/l	
86-74-8	Carbazole	ND	1.0	0.36	ug/l	

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Report of Analysis

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Client Sample ID:	SB-3/GW	Date Sampled:	02/15/13
Lab Sample ID:	JB29044-1	Date Received:	02/16/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.69	ug/l	
218-01-9	Chrysene	ND	1.0	0.29	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.31	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	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.31	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.43	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.46	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.0	0.36	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.38	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.27	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.56	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.31	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.33	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.28	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.59	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.32	ug/l	
86-73-7	Fluorene	ND	1.0	0.28	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.51	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	7.1	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.55	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.37	ug/l	
78-59-1	Isophorone	ND	2.0	0.27	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.38	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	1.7	ug/l	
91-20-3	Naphthalene	ND	1.0	0.26	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.42	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.30	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.31	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.29	ug/l	
129-00-0	Pyrene	ND	1.0	0.27	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.31	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%		10-83%
4165-62-2	Phenol-d5	23%		10-74%

ND = Not detected MDL - Method Detection Limit

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Report of Analysis

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Client Sample ID:	SB-3/GW	Date Sampled:	02/15/13
Lab Sample ID:	JB29044-1	Date Received:	02/16/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	98%		24-148%
4165-60-0	Nitrobenzene-d5	90%		38-129%
321-60-8	2-Fluorobiphenyl	80%		42-117%
1718-51-0	Terphenyl-d14	85%		14-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	2.57	4.1	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

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Report of Analysis

Page 1 of 1

Client Sample ID:	SB-3/GW	Date Sampled:	02/15/13
Lab Sample ID:	JB29044-1	Date Received:	02/16/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8081B SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3G73305.D	1	03/02/13	HQ	02/21/13	OP63793	G3G2529
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.010	0.0079	ug/l	
319-84-6	alpha-BHC	ND	0.010	0.0023	ug/l	
319-85-7	beta-BHC	ND	0.010	0.0023	ug/l	
319-86-8	delta-BHC	ND	0.010	0.0019	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.010	0.0017	ug/l	
5103-71-9	alpha-Chlordane	ND	0.010	0.0029	ug/l	
5103-74-2	gamma-Chlordane	ND	0.010	0.0021	ug/l	
60-57-1	Dieldrin	ND	0.010	0.0016	ug/l	
72-54-8	4,4' -DDD	ND	0.010	0.0025	ug/l	
72-55-9	4,4' -DDE	ND	0.010	0.0017	ug/l	
50-29-3	4,4' -DDT	ND	0.010	0.0032	ug/l	
72-20-8	Endrin	ND	0.010	0.0020	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.010	0.0019	ug/l	
7421-93-4	Endrin aldehyde	ND	0.010	0.0037	ug/l	
53494-70-5	Endrin ketone	ND	0.010	0.0047	ug/l	
959-98-8	Endosulfan-I	ND	0.010	0.0028	ug/l	
33213-65-9	Endosulfan-II	ND	0.010	0.0020	ug/l	
76-44-8	Heptachlor	ND	0.010	0.0022	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.010	0.0026	ug/l	
72-43-5	Methoxychlor	ND	0.020	0.0041	ug/l	
8001-35-2	Toxaphene	ND	0.25	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	71%		26-145%
877-09-8	Tetrachloro-m-xylene	67%		26-145%
2051-24-3	Decachlorobiphenyl	47%		10-141%
2051-24-3	Decachlorobiphenyl	48%		10-141%

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Report of Analysis

Page 1 of 1

Client Sample ID:	SB-3/GW	Date Sampled:	02/15/13
Lab Sample ID:	JB29044-1	Date Received:	02/16/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G77890.D	1	02/24/13	JR	02/21/13	OP63792	G2G2596
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.13	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.27	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.39	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.086	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.14	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.21	ug/l	
11100-14-4	Aroclor 1268	ND	0.50	0.13	ug/l	
37324-23-5	Aroclor 1262	ND	0.50	0.060	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		27-144%
877-09-8	Tetrachloro-m-xylene	78%		27-144%
2051-24-3	Decachlorobiphenyl	63%		10-139%
2051-24-3	Decachlorobiphenyl	74%		10-139%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration 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:	SB-3/GW	Date Sampled:	02/15/13
Lab Sample ID:	JB29044-1	Date Received:	02/16/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	715	200	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Antimony	< 6.0	6.0	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Arsenic	< 3.0	3.0	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Barium	< 200	200	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Calcium	63500	5000	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Cobalt	< 50	50	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Copper	23.7	10	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Iron	2200	100	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Lead	7.4	3.0	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Magnesium	13400	5000	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Manganese	672	15	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Mercury	0.27	0.20	ug/l	1	02/28/13	02/28/13 JW	SW846 7470A ³	SW846 7470A ⁵
Nickel	13.4	10	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Potassium	< 10000	10000	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Sodium	512000	20000	ug/l	2	02/22/13	02/26/13 BL	SW846 6010C ²	SW846 3010A ⁴
Thallium	< 2.0	2.0	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Vanadium	< 50	50	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴

(1) Instrument QC Batch: MA30552

(2) Instrument QC Batch: MA30559

(3) Instrument QC Batch: MA30591

(4) Prep QC Batch: MP69972

(5) Prep QC Batch: MP70087

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID: SB-3/GWF	Date Sampled: 02/15/13
Lab Sample ID: JB29044-1F	Date Received: 02/16/13
Matrix: AQ - Groundwater Filtered	Percent Solids: n/a
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Antimony	< 6.0	6.0	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Arsenic	< 3.0	3.0	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Barium	< 200	200	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Calcium	64000	5000	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Cobalt	< 50	50	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Copper	12.9	10	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Iron	1380	100	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Lead	< 3.0	3.0	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Magnesium	13300	5000	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Manganese	674	15	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	02/28/13	02/28/13 JW	SW846 7470A ³	SW846 7470A ⁵
Nickel	17.2	10	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Potassium	< 10000	10000	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Sodium	509000	20000	ug/l	2	02/22/13	02/26/13 BL	SW846 6010C ²	SW846 3010A ⁴
Thallium ^a	< 4.0	4.0	ug/l	2	02/22/13	02/26/13 BL	SW846 6010C ²	SW846 3010A ⁴
Vanadium	< 50	50	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	02/22/13	02/23/13 BL	SW846 6010C ¹	SW846 3010A ⁴

(1) Instrument QC Batch: MA30552

(2) Instrument QC Batch: MA30559

(3) Instrument QC Batch: MA30591

(4) Prep QC Batch: MP69972

(5) Prep QC Batch: MP70087

(a) Elevated detection limit due to dilution required for matrix interference.

RL = Reporting Limit

Misc. Forms

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Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

PAGE 1 OF 1

FED-EX Tracking # 8018 1365 8447	Bottle Order Control # MV-1/30/2013-17
Accutest Quote #	Accutest Job # JB 29044

Client / Reporting Information				Project Information				Requested Analysis (see TEST CODE sheet)												Matrix Codes							
Company Name: Associates				Project Name: Echo Bay Redevelopment																	Matrix Codes DW - Drinking Water GW - Ground Water WW - Wastes 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: 289 Shafter St				Street: 224 Main																							
City, State, Zip: Islandia NY				Billing Information (If different from Report to) Company Name: New Rochelle NY																							
Project Contact: Bob Cones				Street Address: 																							
Phone #: 631 232 2600				City: 																							
Fax #: 				State: 																							
Client Purchase Order #: 				Zip: 																							
Sampler(s) Name(s): A. Hofmann				Attention: 																							
Account Sample #: 				Field ID / Point of Collection: 																							
MEOH/DI Vial #: 				Collection: 																							
Date: 				Time: 				Sampled by: 				Matrix: 				# of bottles: 				Number of preserved bottles: 							
HCl: 				NO₃^-: 				NO₂^-: 				H₂SO₄^-: 				NONE: 				DI Water: 				ENCORE: 			
LAB USE ONLY 																											
Turnaround Time (Business Days) 				Approved By (Accutest PM): / Date: 				Data Deliverable Information 				Comments / Special Instructions 															
☒ Std. 10 Business Days ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY ☐ other _____ 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				☒ 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.																											
Relinquished by Sampler: 1 [Signature]				Date Time: 2/15/13 1600				Received By: F. E. x				Relinquished By: 2 [Signature]				Date Time: 2/15/13 0900				Received By: 2 [Signature]							
Relinquished by Sampler: 3 [Signature]				Date Time: 				Received By: 3 [Signature]				Relinquished By: 4 [Signature]				Date Time: 				Received By: 4 [Signature]							
Relinquished by: 5 [Signature]				Date Time: 				Received By: 5 [Signature]				Custody Seal # 720				☒ Intact ☐ Not intact				Preserved where applicable ☒ (SIC)				Cooler Temp. 3.0 °C			

13

57A

JB29044: Chain of Custody

Page 1 of 2

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB29044 Client: _____ Project: _____
 Date / Time Received: 2/16/2013 Delivery Method: _____ Airbill #'s: _____
 Cooler Temps (Initial/Adjusted): #1: (3/3); 0

Cooler Security

<table border="0"> <tr> <th style="text-align: left;"><u>Y or N</u></th> <th style="text-align: left;"><u>Y or N</u></th> </tr> <tr> <td>1. Custody Seals Present: ☒ ☐</td> <td>3. COC Present: ☒ ☐</td> </tr> <tr> <td>2. Custody Seals Intact: ☒ ☐</td> <td>4. Smpl Dates/Time OK: ☒ ☐</td> </tr> </table>	<u>Y or N</u>	<u>Y or N</u>	1. Custody Seals Present: ☒ ☐	3. COC Present: ☒ ☐	2. Custody Seals Intact: ☒ ☐	4. Smpl Dates/Time OK: ☒ ☐	
<u>Y or N</u>	<u>Y or N</u>						
1. Custody Seals Present: ☒ ☐	3. COC Present: ☒ ☐						
2. Custody Seals Intact: ☒ ☐	4. Smpl Dates/Time OK: ☒ ☐						

Cooler Temperature

<u>Y or N</u>
1. Temp criteria achieved: ☒ ☐
2. Cooler temp verification: <u>Bar Therm</u>
3. Cooler media: <u>Ice (Bag)</u>
4. No. Coolers: <u>1</u>

Quality Control Preservation

<u>Y or N</u>	<u>N/A</u>
1. Trip Blank present / cooler: ☐ ☒ ☐	
2. Trip Blank listed on COC: ☐ ☒ ☐	
3. Samples preserved properly: ☒ ☐ ☐	
4. VOCs headspace free: ☒ ☐ ☐	

Sample Integrity - Documentation

<u>Y or N</u>
1. Sample labels present on bottles: ☒ ☐
2. Container labeling complete: ☒ ☐
3. Sample container label / COC agree: ☒ ☐

Sample Integrity - Condition

<u>Y or N</u>
1. Sample recvd within HT: ☒ ☐
2. All containers accounted for: ☒ ☐
3. Condition of sample: <u>Intact</u>

Sample Integrity - Instructions

<u>Y or N</u>	<u>N/A</u>
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



04/22/13

Technical Report for

Roux Associates

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Accutest Job Number: JB29990

Sampling Dates: 02/27/13 - 02/28/13

Report to:

Roux Associates

rmaxwell@rouxinc.com

ATTN: Richard Maxwell

Total number of pages in report: **112**



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.

A handwritten signature in black ink that reads 'Nancy F. Cole'.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Test results relate only to samples analyzed.

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Sample Summary

Roux Associates

Job No: JB29990

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
JB29990-1	02/27/13	09:35 AH	02/28/13	AQ	Ground Water	MW-5
JB29990-2	02/27/13	09:45 AH	02/28/13	AQ	Ground Water	RX-2
JB29990-3	02/27/13	10:50 AH	02/28/13	AQ	Ground Water	SP-2
JB29990-4	02/27/13	10:55 AH	02/28/13	AQ	Ground Water	OB-1
JB29990-5	02/27/13	12:10 AH	02/28/13	AQ	Ground Water	MW-7
JB29990-6	02/27/13	13:00 AH	02/28/13	AQ	Field Blank Water	FB022713
JB29990-7	02/27/13	13:50 AH	02/28/13	AQ	Ground Water	RX-1
JB29990-8	02/27/13	14:00 AH	02/28/13	AQ	Ground Water	DUP022713
JB29990-9	02/27/13	15:30 AH	02/28/13	AQ	Ground Water	MW-8
JB29990-10	02/28/13	08:35 AH	02/28/13	AQ	Ground Water	MW-4
JB29990-11	02/28/13	09:35 AH	02/28/13	AQ	Ground Water	MW-1
JB29990-12	02/28/13	10:20 AH	02/28/13	AQ	Ground Water	MW-2
JB29990-13	02/28/13	10:20 AH	02/28/13	AQ	Trip Blank Water	TRIP BLANK COOLER 1



Sample Summary
(continued)

Roux Associates

Job No: JB29990

Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JB29990-14	02/28/13	10:20 AH	02/28/13	AQ	Trip Blank Water	TRIP BLANK COOLER 2
JB29990-15	02/28/13	10:20 AH	02/28/13	AQ	Trip Blank Water	TRIP BLANK COOLER 3

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Roux Associates**Job No** JB29990**Site:** Echo Bay Redevelopment - City Yard, 224 East Main Street, New R**Report Date** 3/28/2013 12:41:33 P

On 02/28/2013, 11 Sample(s), 3 Trip Blank(s) and 1 Field Blank(s) were received at Accutest Laboratories at a temperature of 4 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB29990 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:** V1A5392

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB29990-8MS, JB29990-9DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 4-Methyl-2-pentanone(MIBK) are outside control limits. Outside control limits due to matrix interference.

Matrix: AQ**Batch ID:** V1A5393

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB30019-1MS, JB30019-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Matrix: AQ**Batch ID:** V1A5395

- All samples were analyzed within the recommended method holding time.
- Sample(s) JB30533-5MS, JB30533-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Duplicate Recovery(s) for 4-Methyl-2-pentanone(MIBK) are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for 1,2-Dibromoethane, 1,4-Dichlorobenzene, cis-1,3-Dichloropropene, Dibromochloromethane are outside control limits for sample JB30533-5MSD. Outside control limits due to matrix interference.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ

Batch ID: OP64089

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29990-1MS, JB29990-1MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 1,1'-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 2-Chloronaphthalene, 2-Methylnaphthalene, Acenaphthene, Acenaphthylene, bis(2-Chloroethoxy)methane, bis(2-Chloroethyl)ether, bis(2-Chloroisopropyl)ether, Dibenzofuran, Hexachlorobutadiene, Hexachloroethane, Naphthalene, Nitrobenzene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 2-Chlorophenol, 4-Chlorophenyl phenyl ether, Fluorene, Hexachlorobutadiene, Hexachloroethane, Naphthalene, 1,1'-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 2,4-Dimethylphenol, 2-Chloronaphthalene, 2-Methylnaphthalene, 2-Methylphenol, Acenaphthene, Acenaphthylene, Acetophenone, bis(2-Chloroethoxy)methane, bis(2-Chloroethyl)ether, bis(2-Chloroisopropyl)ether, Dibenzofuran, Isophorone, N-Nitroso-di-n-propylamine, Nitrobenzene are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for 1,1'-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 2,4-Dichlorophenol, 2,4-Dimethylphenol, 2-Chloronaphthalene, 2-Methylnaphthalene, 2-Methylphenol, 4-Chloro-3-methyl phenol, Acenaphthene, Acenaphthylene, Acetophenone, bis(2-Chloroethoxy)methane, bis(2-Chloroethyl)ether, bis(2-Chloroisopropyl)ether, Dibenzofuran, Isophorone, N-Nitroso-di-n-propylamine, Nitrobenzene are outside control limits for sample OP64089-MSD. Outside control limits due to matrix interference.
- JB29990-12 for Nitrobenzene-d5: Outside in house control limits biased low. The results confirmed by re-extraction outside the holding time.
- JB29990-12 for 2-Fluorobiphenyl: Outside in house control limits biased low. The results confirmed by re-extraction outside the holding time.
- JB29990-11 for 2-Fluorobiphenyl: Outside of in house control limits.
- OP64089-MSD for 2-Fluorobiphenyl: Outside control limits due to matrix interference.
- OP64089-MS for 2-Fluorobiphenyl: Outside control limits due to matrix interference.
- JB29990-8 for 2-Fluorobiphenyl: Outside of in house control limits. There's no sample left to reextract.
- JB29990-10 for Nitrobenzene-d5: Outside in house control limits biased low. The results confirmed by re-extraction outside the holding time.
- JB29990-10 for 2-Fluorobiphenyl: Outside in house control limits biased low. The results confirmed by re-extraction outside the holding time.
- OP64089-MSD for Nitrobenzene-d5: Outside control limits due to matrix interference.

Matrix: AQ

Batch ID: OP64613

- The data for SW846 8270D meets quality control requirements.
- JB29990-11: Confirmation run.
- JB29990-10: Confirmation run.
- JB29990-12: Confirmation run.

Extractables by GC By Method SW846 8081B

Matrix: AQ

Batch ID: OP64082

- Sample(s) JB30011-2MS, JB30011-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- OP64082-MS: Possibly laboratory contamination.
- JB29990-7: Re-extracted due to lab contaminated on original extract. originally prep date was within holding time.
- OP64082-MSD: Possibly laboratory contamination.
- JB29990-5: Re-extracted due to lab contaminated on original extract. originally prep date was within holding time.
- JB29990-8: Re-extracted due to lab contaminated on original extract. originally prep date was within holding time.
- JB29990-6: Re-extracted due to lab contaminated on original extract. originally prep date was within holding time.
- JB29990-9: Re-extracted due to lab contaminated on original extract. originally prep date was within holding time.

Extractables by GC By Method SW846 8082A

Matrix: AQ

Batch ID: OP64083

- All samples were extracted within the recommended method holding time.
- Sample(s) JB29990-8MS, JB29990-8MSD, OP64083-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

2

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP70248

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29990-1MS, JB29990-1MSD, JB29990-1SDL were used as the QC samples for metals.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Calcium, Sodium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Serial Dilution for Aluminum, Cobalt, Copper, Lead, Manganese, Nickel, Silver, Vanadium are outside control limits for sample MP70248-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- JB29990-1 for Chromium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-1 for Cadmium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-1 for Arsenic: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-9 for Lead: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-2 for Silver: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-2 for Thallium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-2 for Vanadium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-9 for Antimony: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-9 for Arsenic: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- RPD(s) for Serial Dilution for Iron, Potassium are outside control limits for sample MP70248-SD1. Serial dilution indicates possible matrix interference.
- JB29990-1 for Cobalt: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-2 for Selenium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-1 for Antimony: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-9 for Chromium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-9 for Manganese: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-9 for Nickel: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-9 for Selenium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-9 for Silver: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-9 for Thallium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-9 for Vanadium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-9 for Cadmium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-9 for Cobalt: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP70248

- JB29990-1 for Manganese: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-1 for Copper: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-9 for Copper: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-1 for Lead: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-2 for Nickel: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-1 for Nickel: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-1 for Selenium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-1 for Silver: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-1 for Thallium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-1 for Vanadium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-2 for Lead: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-2 for Manganese: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-2 for Arsenic: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-2 for Cadmium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-2 for Chromium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-2 for Cobalt: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-2 for Copper: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-2 for Antimony: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-10 for Thallium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-10 for Silver: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-10 for Nickel: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-10 for Manganese: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-10 for Lead: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-10 for Vanadium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-10 for Chromium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-2 for Zinc: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP70248

- JB29990-10 for Copper: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-12 for Lead: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-12 for Nickel: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-12 for Zinc: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-1 for Zinc: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-9 for Zinc: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-10 for Zinc: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- JB29990-12 for Thallium: Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

Metals By Method SW846 7470A

Matrix: AQ

Batch ID: MP70400

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB29990-1MS, JB29990-1MSD were used as the QC samples for metals.

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

Summary of Hits

Job Number: JB29990**Account:** Roux Associates**Project:** Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY**Collected:** 02/27/13 thru 02/28/13

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Analyte						

JB29990-1 MW-5

Methyl Tert Butyl Ether	0.34 J	1.0	0.16	ug/l	SW846 8260B
bis(2-Ethylhexyl)phthalate	1.6 J	2.1	0.61	ug/l	SW846 8270D
Aluminum	225	200		ug/l	SW846 6010C
Calcium	224000	5000		ug/l	SW846 6010C
Iron	522	100		ug/l	SW846 6010C
Magnesium	666000	5000		ug/l	SW846 6010C
Potassium	244000	10000		ug/l	SW846 6010C
Sodium	6810000	200000		ug/l	SW846 6010C

JB29990-2 RX-2

Cyclohexane	0.46 J	5.0	0.35	ug/l	SW846 8260B
Ethylbenzene	0.41 J	1.0	0.23	ug/l	SW846 8260B
Isopropylbenzene	0.50 J	2.0	0.45	ug/l	SW846 8260B
Methylcyclohexane	0.56 J	5.0	0.26	ug/l	SW846 8260B
Xylene (total)	0.29 J	1.0	0.24	ug/l	SW846 8260B
bis(2-Ethylhexyl)phthalate	2.0 J	2.1	0.62	ug/l	SW846 8270D
Aluminum	621	200		ug/l	SW846 6010C
Calcium	205000	5000		ug/l	SW846 6010C
Iron	1350	100		ug/l	SW846 6010C
Lead ^a	42.6	30		ug/l	SW846 6010C
Magnesium	627000	5000		ug/l	SW846 6010C
Potassium	248000	10000		ug/l	SW846 6010C
Sodium	7460000	200000		ug/l	SW846 6010C

JB29990-3 SP-2

Benzene	0.26 J	1.0	0.24	ug/l	SW846 8260B
Xylene (total)	0.25 J	1.0	0.24	ug/l	SW846 8260B
Total TIC, Volatile	48.6 J			ug/l	
Carbazole	18.8	1.0	0.37	ug/l	SW846 8270D
2-Methylnaphthalene	0.60 J	1.0	0.39	ug/l	SW846 8270D
Total TIC, Semi-Volatile	23.7 J			ug/l	
Iron	332	100		ug/l	SW846 6010C
Manganese	1250	15		ug/l	SW846 6010C
Sodium	232000	10000		ug/l	SW846 6010C

JB29990-4 OB-1

Benzene	2.1	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene	2.2	1.0	0.23	ug/l	SW846 8260B
Methyl Tert Butyl Ether	0.42 J	1.0	0.16	ug/l	SW846 8260B
m,p-Xylene	4.7	1.0	0.42	ug/l	SW846 8260B

Summary of Hits

Job Number: JB29990

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/27/13 thru 02/28/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
o-Xylene		3.0	1.0	0.24	ug/l	SW846 8260B
Xylene (total)		7.7	1.0	0.24	ug/l	SW846 8260B
Total TIC, Volatile		77.5 J			ug/l	
Acenaphthene		0.97 J	1.0	0.27	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		1.6 J	2.0	0.60	ug/l	SW846 8270D
Fluorene		1.3	1.0	0.28	ug/l	SW846 8270D
2-Methylnaphthalene		3.4	1.0	0.39	ug/l	SW846 8270D
Naphthalene		0.85 J	1.0	0.26	ug/l	SW846 8270D
Phenanthrene		2.9	1.0	0.30	ug/l	SW846 8270D
Pyrene		1.3	1.0	0.28	ug/l	SW846 8270D
Total TIC, Semi-Volatile		260.4 J			ug/l	
Aluminum		276	200		ug/l	SW846 6010C
Arsenic		3.5	3.0		ug/l	SW846 6010C
Barium		348	200		ug/l	SW846 6010C
Calcium		408000	5000		ug/l	SW846 6010C
Copper		34.6	10		ug/l	SW846 6010C
Iron		2260	100		ug/l	SW846 6010C
Lead		5.8	3.0		ug/l	SW846 6010C
Magnesium		44000	5000		ug/l	SW846 6010C
Manganese		3700	15		ug/l	SW846 6010C
Potassium		20600	10000		ug/l	SW846 6010C
Sodium		510000	50000		ug/l	SW846 6010C

JB29990-5 MW-7

bis(2-Ethylhexyl)phthalate	2.2	2.1	0.62	ug/l	SW846 8270D
Aluminum	658	200		ug/l	SW846 6010C
Iron	3590	100		ug/l	SW846 6010C
Lead	8.2	3.0		ug/l	SW846 6010C
Manganese	26.0	15		ug/l	SW846 6010C
Sodium	114000	10000		ug/l	SW846 6010C
Zinc	87.6	20		ug/l	SW846 6010C

JB29990-6 FB022713

No hits reported in this sample.

JB29990-7 RX-1

Methyl Tert Butyl Ether	0.43 J	1.0	0.16	ug/l	SW846 8260B
Total TIC, Semi-Volatile	4.7 J			ug/l	
4,4'-DDD ^b	0.015	0.011	0.0027	ug/l	SW846 8081B
Aluminum	1250	200		ug/l	SW846 6010C
Barium	622	200		ug/l	SW846 6010C
Cadmium	8.4	3.0		ug/l	SW846 6010C

Summary of Hits

Job Number: JB29990

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/27/13 thru 02/28/13



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Calcium		267000	5000		ug/l	SW846 6010C
Copper		19.6	10		ug/l	SW846 6010C
Iron		5530	100		ug/l	SW846 6010C
Lead		86.8	3.0		ug/l	SW846 6010C
Magnesium		97000	5000		ug/l	SW846 6010C
Manganese		7170	15		ug/l	SW846 6010C
Nickel		14.8	10		ug/l	SW846 6010C
Potassium		34500	10000		ug/l	SW846 6010C
Sodium		1290000	50000		ug/l	SW846 6010C
Zinc		140	20		ug/l	SW846 6010C

JB29990-8 DUP022713

Methyl Tert Butyl Ether	0.81 J	1.0	0.16	ug/l	SW846 8260B
Fluoranthene	0.53 J	1.0	0.32	ug/l	SW846 8270D
Pyrene	0.65 J	1.0	0.27	ug/l	SW846 8270D
Total TIC, Semi-Volatile	4 J			ug/l	
4,4'-DDD ^b	0.013	0.011	0.0027	ug/l	SW846 8081B
Aluminum	1140	200		ug/l	SW846 6010C
Barium	657	200		ug/l	SW846 6010C
Cadmium	9.1	3.0		ug/l	SW846 6010C
Calcium	271000	5000		ug/l	SW846 6010C
Copper	17.4	10		ug/l	SW846 6010C
Iron	5740	100		ug/l	SW846 6010C
Lead	84.0	3.0		ug/l	SW846 6010C
Magnesium	89900	5000		ug/l	SW846 6010C
Manganese	7470	15		ug/l	SW846 6010C
Nickel	14.6	10		ug/l	SW846 6010C
Potassium	33100	10000		ug/l	SW846 6010C
Sodium	1250000	50000		ug/l	SW846 6010C
Zinc	134	20		ug/l	SW846 6010C

JB29990-9 MW-8

Calcium	197000	5000		ug/l	SW846 6010C
Magnesium	544000	5000		ug/l	SW846 6010C
Potassium	200000	10000		ug/l	SW846 6010C
Sodium	5080000	200000		ug/l	SW846 6010C

JB29990-10 MW-4

Acetone	24.6	10	3.3	ug/l	SW846 8260B
4-Methyl-2-pentanone(MIBK)	2.0 J	5.0	0.83	ug/l	SW846 8260B
Toluene	0.42 J	1.0	0.23	ug/l	SW846 8260B
Total TIC, Volatile	13 J			ug/l	

Summary of Hits

Job Number: JB29990

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/27/13 thru 02/28/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
bis(2-Ethylhexyl)phthalate		2.4	2.0	0.60	ug/l	SW846 8270D
Total TIC, Semi-Volatile		169.7 J			ug/l	
Calcium		139000	5000		ug/l	SW846 6010C
Iron		767	100		ug/l	SW846 6010C
Magnesium		423000	5000		ug/l	SW846 6010C
Potassium		146000	10000		ug/l	SW846 6010C
Sodium		3970000	100000		ug/l	SW846 6010C
Zinc ^a		127	40		ug/l	SW846 6010C

JB29990-11 MW-1

Benzene	80.2	1.0	0.24	ug/l	SW846 8260B
Cyclohexane	17.6	5.0	0.35	ug/l	SW846 8260B
Ethylbenzene	209	5.0	1.1	ug/l	SW846 8260B
Isopropylbenzene	19.6	2.0	0.45	ug/l	SW846 8260B
Methylcyclohexane	24.3	5.0	0.26	ug/l	SW846 8260B
Methyl Tert Butyl Ether	54.9	1.0	0.16	ug/l	SW846 8260B
Toluene	32.8	1.0	0.23	ug/l	SW846 8260B
m,p-Xylene	462	5.0	2.1	ug/l	SW846 8260B
o-Xylene	136	1.0	0.24	ug/l	SW846 8260B
Xylene (total)	598	5.0	1.2	ug/l	SW846 8260B
Total TIC, Volatile	423 J			ug/l	
2,4-Dimethylphenol	17.0	5.1	1.6	ug/l	SW846 8270D
2-Methylphenol	1.7 J	2.0	1.1	ug/l	SW846 8270D
3&4-Methylphenol	4.5	2.0	0.94	ug/l	SW846 8270D
Acenaphthene	3.2	1.0	0.27	ug/l	SW846 8270D
Anthracene	0.82 J	1.0	0.29	ug/l	SW846 8270D
1,1'-Biphenyl	2.8	1.0	0.31	ug/l	SW846 8270D
Carbazole	21.7	1.0	0.37	ug/l	SW846 8270D
Dibenzofuran	1.4 J	5.1	0.27	ug/l	SW846 8270D
Fluoranthene	0.93 J	1.0	0.32	ug/l	SW846 8270D
Fluorene	4.8	1.0	0.28	ug/l	SW846 8270D
2-Methylnaphthalene	57.8	1.0	0.39	ug/l	SW846 8270D
Naphthalene	73.4	1.0	0.26	ug/l	SW846 8270D
Phenanthrene	6.5	1.0	0.30	ug/l	SW846 8270D
Pyrene	0.99 J	1.0	0.28	ug/l	SW846 8270D
Total TIC, Semi-Volatile	1209 J			ug/l	
Calcium	44700	5000		ug/l	SW846 6010C
Iron	20300	100		ug/l	SW846 6010C
Magnesium	7610	5000		ug/l	SW846 6010C
Manganese	1070	15		ug/l	SW846 6010C
Sodium	392000	10000		ug/l	SW846 6010C

Summary of Hits

Job Number: JB29990

Account: Roux Associates

Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY

Collected: 02/27/13 thru 02/28/13

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB29990-12	MW-2					
Benzene		5.2	1.0	0.24	ug/l	SW846 8260B
Carbon disulfide		0.97 J	2.0	0.19	ug/l	SW846 8260B
Cyclohexane		8.0	5.0	0.35	ug/l	SW846 8260B
Ethylbenzene		5.3	1.0	0.23	ug/l	SW846 8260B
Isopropylbenzene		17.9	2.0	0.45	ug/l	SW846 8260B
Methylcyclohexane		16.2	5.0	0.26	ug/l	SW846 8260B
Methyl Tert Butyl Ether		27.0	1.0	0.16	ug/l	SW846 8260B
Toluene		0.87 J	1.0	0.23	ug/l	SW846 8260B
m,p-Xylene		1.9	1.0	0.42	ug/l	SW846 8260B
o-Xylene		0.25 J	1.0	0.24	ug/l	SW846 8260B
Xylene (total)		2.2	1.0	0.24	ug/l	SW846 8260B
Total TIC, Volatile		642 J			ug/l	
Acenaphthene		2.6	1.1	0.28	ug/l	SW846 8270D
Anthracene		1.2	1.1	0.30	ug/l	SW846 8270D
Benzo(a)anthracene		1.2	1.1	0.24	ug/l	SW846 8270D
Benzo(a)pyrene		0.81 J	1.1	0.24	ug/l	SW846 8270D
Benzo(b)fluoranthene		0.70 J	1.1	0.48	ug/l	SW846 8270D
Benzo(k)fluoranthene		0.84 J	1.1	0.54	ug/l	SW846 8270D
Chrysene		1.3	1.1	0.30	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		7.2	2.1	0.62	ug/l	SW846 8270D
Fluoranthene		3.2	1.1	0.33	ug/l	SW846 8270D
Fluorene		1.2	1.1	0.29	ug/l	SW846 8270D
Phenanthrene		9.1	1.1	0.31	ug/l	SW846 8270D
Pyrene		6.0	1.1	0.28	ug/l	SW846 8270D
Total TIC, Semi-Volatile		479 J			ug/l	
Aluminum		903	200		ug/l	SW846 6010C
Barium		216	200		ug/l	SW846 6010C
Calcium		144000	5000		ug/l	SW846 6010C
Copper		22.7	10		ug/l	SW846 6010C
Iron		5310	100		ug/l	SW846 6010C
Magnesium		368000	5000		ug/l	SW846 6010C
Manganese		2000	15		ug/l	SW846 6010C
Potassium		136000	10000		ug/l	SW846 6010C
Sodium		3100000	100000		ug/l	SW846 6010C

JB29990-13 TRIP BLANK COOLER 1

No hits reported in this sample.

JB29990-14 TRIP BLANK COOLER 2

No hits reported in this sample.

Summary of Hits

Job Number: JB29990
Account: Roux Associates
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY
Collected: 02/27/13 thru 02/28/13



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method

JB29990-15 TRIP BLANK COOLER 3

No hits reported in this sample.

- (a) Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).
- (b) Re-extracted due to lab contaminated on original extract. originally prep date was within holding time.

Sample Results

Report of Analysis

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-5	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-1	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125382.D	1	03/07/13	CC	n/a	n/a	V1A5395
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	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: MW-5	Date Sampled: 02/27/13
Lab Sample ID: JB29990-1	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.34	1.0	0.16	ug/l	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		81-121%
17060-07-0	1,2-Dichloroethane-D4	94%		74-127%
2037-26-5	Toluene-D8	97%		80-122%
460-00-4	4-Bromofluorobenzene	87%		78-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

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 1 of 3

Client Sample ID:	MW-5	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-1	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P71471.D	1	03/11/13	NAP	03/05/13	OP64089	EP3059
Run #2							

Run #	Initial Volume	Final Volume
Run #1	960 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.2	1.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.2	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.2	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.2	1.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	17	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	1.0	ug/l	
95-48-7	2-Methylphenol	ND	2.1	1.1	ug/l	
	3&4-Methylphenol	ND	2.1	0.96	ug/l	
88-75-5	2-Nitrophenol	ND	5.2	1.6	ug/l	
100-02-7	4-Nitrophenol	ND	10	5.4	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.4	ug/l	
108-95-2	Phenol	ND	2.1	1.3	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.2	0.98	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.2	1.6	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.2	1.3	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.27	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.24	ug/l	
98-86-2	Acetophenone	ND	2.1	0.30	ug/l	
120-12-7	Anthracene	ND	1.0	0.30	ug/l	
1912-24-9	Atrazine	ND	5.2	0.51	ug/l	
100-52-7	Benzaldehyde	ND	5.2	3.4	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.24	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.48	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.53	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.37	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.30	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.32	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.31	ug/l	
106-47-8	4-Chloroaniline	ND	5.2	0.55	ug/l	
86-74-8	Carbazole	ND	1.0	0.38	ug/l	

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Report of Analysis

Page 2 of 3

Client Sample ID: MW-5	Date Sampled: 02/27/13
Lab Sample ID: JB29990-1	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8270D SW846 3510C	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.72	ug/l	
218-01-9	Chrysene	ND	1.0	0.30	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.32	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	0.47	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.33	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.44	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.48	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.2	0.38	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.39	ug/l	
132-64-9	Dibenzofuran	ND	5.2	0.28	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.58	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.32	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.34	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.29	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	1.6	2.1	0.61	ug/l	J
206-44-0	Fluoranthene	ND	1.0	0.33	ug/l	
86-73-7	Fluorene	ND	1.0	0.29	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.35	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.53	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	7.4	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.57	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.39	ug/l	
78-59-1	Isophorone	ND	2.1	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.40	ug/l	
88-74-4	2-Nitroaniline	ND	5.2	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.2	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.2	1.7	ug/l	
91-20-3	Naphthalene	ND	1.0	0.27	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.44	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.31	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.2	0.32	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.30	ug/l	
129-00-0	Pyrene	ND	1.0	0.28	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.32	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	30%		10-83%
4165-62-2	Phenol-d5	25%		10-74%

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Report of Analysis

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Client Sample ID: MW-5	Date Sampled: 02/27/13
Lab Sample ID: JB29990-1	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8270D SW846 3510C	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	74%		24-148%
4165-60-0	Nitrobenzene-d5	55%		38-129%
321-60-8	2-Fluorobiphenyl	47%		42-117%
1718-51-0	Terphenyl-d14	82%		14-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.37	8.1	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL - Method Detection Limit
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 N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-5	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-1	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	225	200	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁶
Antimony ^a	< 60	60	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Arsenic ^a	< 30	30	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Barium	< 200	200	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁶
Beryllium	< 1.0	1.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁶
Cadmium ^a	< 30	30	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Calcium	224000	5000	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁶
Chromium ^a	< 100	100	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Cobalt ^a	< 500	500	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Copper ^a	< 100	100	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Iron	522	100	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁶
Lead ^a	< 30	30	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Magnesium	666000	5000	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁶
Manganese ^a	< 150	150	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Mercury	< 0.20	0.20	ug/l	1	03/12/13	03/12/13 CS	SW846 7470A ⁴	SW846 7470A ⁷
Nickel ^a	< 100	100	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Potassium	244000	10000	ug/l	1	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Selenium ^a	< 100	100	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Silver ^a	< 100	100	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Sodium	6810000	200000	ug/l	20	03/07/13	03/12/13 ND	SW846 6010C ³	SW846 3010A ⁶
Thallium ^a	< 20	20	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Vanadium ^a	< 500	500	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Zinc ^a	< 200	200	ug/l	10	03/07/13	03/13/13 BL	SW846 6010C ⁵	SW846 3010A ⁶

(1) Instrument QC Batch: MA30650

(2) Instrument QC Batch: MA30664

(3) Instrument QC Batch: MA30684

(4) Instrument QC Batch: MA30687

(5) Instrument QC Batch: MA30694

(6) Prep QC Batch: MP70248

(7) Prep QC Batch: MP70400

(a) Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	RX-2	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-2	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125315.D	1	03/06/13	CC	n/a	n/a	V1A5392
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	0.46	5.0	0.35	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	0.41	1.0	0.23	ug/l	J
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

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: RX-2	Date Sampled: 02/27/13
Lab Sample ID: JB29990-2	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	0.50	2.0	0.45	ug/l	J
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	0.56	5.0	0.26	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	0.29	1.0	0.24	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		81-121%
17060-07-0	1,2-Dichloroethane-D4	92%		74-127%
2037-26-5	Toluene-D8	97%		80-122%
460-00-4	4-Bromofluorobenzene	88%		78-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	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 1 of 3

Client Sample ID:	RX-2	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-2	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P71472.D	1	03/11/13	NAP	03/05/13	OP64089	EP3059
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	1.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.3	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	1.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	17	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	1.0	ug/l	
95-48-7	2-Methylphenol	ND	2.1	1.1	ug/l	
	3&4-Methylphenol	ND	2.1	0.97	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	1.6	ug/l	
100-02-7	4-Nitrophenol	ND	11	5.5	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.5	ug/l	
108-95-2	Phenol	ND	2.1	1.3	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	0.99	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.6	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	1.4	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.28	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.24	ug/l	
98-86-2	Acetophenone	ND	2.1	0.30	ug/l	
120-12-7	Anthracene	ND	1.1	0.30	ug/l	
1912-24-9	Atrazine	ND	5.3	0.51	ug/l	
100-52-7	Benzaldehyde	ND	5.3	3.4	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.24	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.48	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.54	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.38	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.30	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.32	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.31	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.56	ug/l	
86-74-8	Carbazole	ND	1.1	0.38	ug/l	

ND = Not detected MDL - Method Detection Limit

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Report of Analysis

Page 2 of 3

Client Sample ID:	RX-2	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-2	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.73	ug/l	
218-01-9	Chrysene	ND	1.1	0.30	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.32	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	0.48	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.33	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.45	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.49	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.3	0.38	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.40	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.28	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.58	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.32	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.34	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.30	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.0	2.1	0.62	ug/l	J
206-44-0	Fluoranthene	ND	1.1	0.33	ug/l	
86-73-7	Fluorene	ND	1.1	0.29	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.54	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	7.5	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.58	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.39	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.40	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	1.7	ug/l	
91-20-3	Naphthalene	ND	1.1	0.27	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.44	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.32	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.32	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.31	ug/l	
129-00-0	Pyrene	ND	1.1	0.28	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.32	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		10-83%
4165-62-2	Phenol-d5	32%		10-74%

ND = Not detected MDL - Method Detection Limit

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Report of Analysis

Page 3 of 3

Client Sample ID:	RX-2	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-2	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	97%		24-148%
4165-60-0	Nitrobenzene-d5	68%		38-129%
321-60-8	2-Fluorobiphenyl	61%		42-117%
1718-51-0	Terphenyl-d14	97%		14-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.37	11	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

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Report of Analysis

Page 1 of 1

Client Sample ID:	RX-2	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-2	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum	621	200	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Antimony ^a	< 60	60	ug/l	10	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Arsenic ^a	< 30	30	ug/l	10	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Barium	< 200	200	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Beryllium	< 1.0	1.0	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Cadmium ^a	< 30	30	ug/l	10	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Calcium	205000	5000	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Chromium ^a	< 100	100	ug/l	10	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Cobalt ^a	< 500	500	ug/l	10	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Copper ^a	< 100	100	ug/l	10	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Iron	1350	100	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Lead ^a	42.6	30	ug/l	10	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Magnesium	627000	5000	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Manganese ^a	< 150	150	ug/l	10	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Mercury	< 0.20	0.20	ug/l	1	03/12/13	03/12/13	CS	SW846 7470A ³	SW846 7470A ⁶
Nickel ^a	< 100	100	ug/l	10	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Potassium	248000	10000	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Selenium ^a	< 100	100	ug/l	10	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Silver ^a	< 100	100	ug/l	10	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Sodium	7460000	200000	ug/l	20	03/07/13	03/12/13	ND	SW846 6010C ²	SW846 3010A ⁵
Thallium ^a	< 20	20	ug/l	10	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Vanadium ^a	< 500	500	ug/l	10	03/07/13	03/09/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Zinc ^a	< 200	200	ug/l	10	03/07/13	03/13/13	BL	SW846 6010C ⁴	SW846 3010A ⁵

(1) Instrument QC Batch: MA30664

(2) Instrument QC Batch: MA30684

(3) Instrument QC Batch: MA30687

(4) Instrument QC Batch: MA30694

(5) Prep QC Batch: MP70248

(6) Prep QC Batch: MP70400

(a) Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	SP-2	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-3	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125316.D	1	03/06/13	CC	n/a	n/a	V1A5392
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	J
71-43-2	Benzene	0.26	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

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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: SP-2	Date Sampled: 02/27/13
Lab Sample ID: JB29990-3	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	0.25	1.0	0.24	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		81-121%
17060-07-0	1,2-Dichloroethane-D4	88%		74-127%
2037-26-5	Toluene-D8	97%		80-122%
460-00-4	4-Bromofluorobenzene	89%		78-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	1H-Indene-dihydro-dimethyl	18.92	7.2	ug/l	J
	1H-Indene-dihydro-dimethyl	19.11	21	ug/l	J
	1H-Indene-dihydro-dimethyl	19.54	13	ug/l	J
	1H-indene-dihydro-trimethyl	20.58	7.4	ug/l	J
	Total TIC, Volatile		48.6	ug/l	J

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Report of Analysis

Page 1 of 3

Client Sample ID:	SP-2	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-3	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P71473.D	1	03/11/13	NAP	03/05/13	OP64089	EP3059
Run #2							

Run #	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	0.99	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.1	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	1.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	17	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	1.0	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	0.94	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	1.5	ug/l	
100-02-7	4-Nitrophenol	ND	10	5.3	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.4	ug/l	
108-95-2	Phenol	ND	2.0	1.3	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	0.96	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	1.6	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	1.3	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.27	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.23	ug/l	
98-86-2	Acetophenone	ND	2.0	0.29	ug/l	
120-12-7	Anthracene	ND	1.0	0.29	ug/l	
1912-24-9	Atrazine	ND	5.1	0.50	ug/l	
100-52-7	Benzaldehyde	ND	5.1	3.3	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.47	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.33	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.52	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.36	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.29	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.31	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.30	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.54	ug/l	
86-74-8	Carbazole	18.8	1.0	0.37	ug/l	

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Report of Analysis

Page 2 of 3

Client Sample ID:	SP-2	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-3	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.70	ug/l	
218-01-9	Chrysene	ND	1.0	0.29	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.31	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	0.46	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.32	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.43	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.47	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.1	0.37	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.39	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.27	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.57	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.31	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.33	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.29	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.60	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.32	ug/l	
86-73-7	Fluorene	ND	1.0	0.28	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	7.3	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.56	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.38	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	0.60	1.0	0.39	ug/l	J
88-74-4	2-Nitroaniline	ND	5.1	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	1.7	ug/l	
91-20-3	Naphthalene	ND	1.0	0.26	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.43	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.31	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.31	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.30	ug/l	
129-00-0	Pyrene	ND	1.0	0.28	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.31	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	30%		10-83%
4165-62-2	Phenol-d5	21%		10-74%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration 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:	SP-2	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-3	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	85%		24-148%
4165-60-0	Nitrobenzene-d5	61%		38-129%
321-60-8	2-Fluorobiphenyl	49%		42-117%
1718-51-0	Terphenyl-d14	86%		14-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.37	10	ug/l	J
	unknown	6.26	4.7	ug/l	J
	unknown	9.55	4.7	ug/l	J
	unknown acid	12.12	4.7	ug/l	J
	unknown	14.36	4.3	ug/l	J
	unknown	14.39	5.3	ug/l	J
	Total TIC, Semi-Volatile		23.7	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

Page 1 of 1

Client Sample ID: SP-2	Date Sampled: 02/27/13
Lab Sample ID: JB29990-3	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum	< 200	200	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Antimony	< 6.0	6.0	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Arsenic	< 3.0	3.0	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Barium	< 200	200	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Calcium	< 5000	5000	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Cobalt	< 50	50	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Iron	332	100	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Lead	< 3.0	3.0	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Magnesium	< 5000	5000	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Manganese	1250	15	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	03/12/13	03/12/13	CS	SW846 7470A ³	SW846 7470A ⁵
Nickel	< 10	10	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Potassium	< 10000	10000	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ²	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Sodium	232000	10000	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ²	SW846 3010A ⁴
Thallium	< 2.0	2.0	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Vanadium	< 50	50	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁴

(1) Instrument QC Batch: MA30650

(2) Instrument QC Batch: MA30664

(3) Instrument QC Batch: MA30687

(4) Prep QC Batch: MP70248

(5) Prep QC Batch: MP70400

RL = Reporting Limit

Report of Analysis

Page 1 of 3

Client Sample ID:	OB-1	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-4	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125317.D	1	03/06/13	CC	n/a	n/a	V1A5392
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	2.1	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	2.2	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	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:	OB-1	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-4	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.42	1.0	0.16	ug/l	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	4.7	1.0	0.42	ug/l	
95-47-6	o-Xylene	3.0	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	7.7	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		81-121%
17060-07-0	1,2-Dichloroethane-D4	89%		74-127%
2037-26-5	Toluene-D8	97%		80-122%
460-00-4	4-Bromofluorobenzene	87%		78-116%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	1H-indene-dihydro-methyl	18.62	7.8	ug/l	J
	dihydro-dimethylindene + C5 alkylbenzene	18.93	11	ug/l	J
	1H-Indene-dihydro-dimethyl	19.11	8	ug/l	J
91-20-3	Naphthalene	19.40	7.8	ug/l	JN
	unknown	19.57	6.7	ug/l	J
	1H-Indene-dihydro-dimethyl	19.70	5	ug/l	J
	unknown	19.96	5.7	ug/l	J
	Naphthalene tetrahydro-dimethyl	20.49	6.9	ug/l	J
	Naphthalene methyl	20.62	7.1	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

Page 3 of 3

Client Sample ID:	OB-1	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-4	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Naphthalene methyl	20.85	6.4	ug/l	J
	Naphthalene dimethyl	21.82	5.1	ug/l	J
	Total TIC, Volatile		77.5	ug/l	J

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 1 of 3

Client Sample ID:	OB-1	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-4	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P71517.D	1	03/12/13	NAP	03/05/13	OP64089	EP3060
Run #2							

Run #	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	0.99	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.1	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	1.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	17	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	1.0	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	0.94	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	1.5	ug/l	
100-02-7	4-Nitrophenol	ND	10	5.3	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.4	ug/l	
108-95-2	Phenol	ND	2.0	1.3	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	0.96	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	1.6	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	1.3	ug/l	
83-32-9	Acenaphthene	0.97	1.0	0.27	ug/l	J
208-96-8	Acenaphthylene	ND	1.0	0.23	ug/l	
98-86-2	Acetophenone	ND	2.0	0.29	ug/l	
120-12-7	Anthracene	ND	1.0	0.29	ug/l	
1912-24-9	Atrazine	ND	5.1	0.50	ug/l	
100-52-7	Benzaldehyde	ND	5.1	3.3	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.47	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.33	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.52	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.36	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.29	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.31	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.30	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.54	ug/l	
86-74-8	Carbazole	ND	1.0	0.37	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:	OB-1	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-4	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.70	ug/l	
218-01-9	Chrysene	ND	1.0	0.29	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.31	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	0.46	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.32	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.43	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.47	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.1	0.37	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.39	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.27	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.57	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.31	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.33	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.29	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	1.6	2.0	0.60	ug/l	J
206-44-0	Fluoranthene	ND	1.0	0.32	ug/l	
86-73-7	Fluorene	1.3	1.0	0.28	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	7.3	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.56	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.38	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	3.4	1.0	0.39	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	1.7	ug/l	
91-20-3	Naphthalene	0.85	1.0	0.26	ug/l	J
98-95-3	Nitrobenzene	ND	2.0	0.43	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.31	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.31	ug/l	
85-01-8	Phenanthrene	2.9	1.0	0.30	ug/l	
129-00-0	Pyrene	1.3	1.0	0.28	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.31	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	25%		10-83%
4165-62-2	Phenol-d5	22%		10-74%

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 3 of 3

Client Sample ID:	OB-1	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-4	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	100%		24-148%
4165-60-0	Nitrobenzene-d5	56%		38-129%
321-60-8	2-Fluorobiphenyl	54%		42-117%
1718-51-0	Terphenyl-d14	88%		14-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.37	9	ug/l	J
	unknown	7.48	7.8	ug/l	J
	unknown	8.08	7.7	ug/l	J
	Naphthalene dimethyl	8.20	10	ug/l	J
	Naphthalene dimethyl	8.34	14	ug/l	J
	Naphthalene dimethyl	8.36	9.1	ug/l	J
	Naphthalene dimethyl	8.51	8.9	ug/l	J
	alkane	8.56	13	ug/l	J
	Naphthalene trimethyl	9.22	9.6	ug/l	J
	Naphthalene trimethyl	9.27	7.9	ug/l	J
	Naphthalene trimethyl	9.40	20	ug/l	J
	unknown	9.82	12	ug/l	J
	unknown	9.87	8.8	ug/l	J
	unknown	10.02	11	ug/l	J
	alkane	10.05	8.1	ug/l	J
	alkane	10.44	13	ug/l	J
	alkane	10.48	17	ug/l	J
	unknown	10.58	11	ug/l	J
	unknown	10.66	12	ug/l	J
	unknown	10.75	9.3	ug/l	J
	alkane	11.79	10	ug/l	J
	Phenanthrene, -methyl-	11.98	9.3	ug/l	J
	Phenanthrene, -methyl-	12.13	11	ug/l	J
	alkane	12.34	7.9	ug/l	J
10544-50-0	Cyclic octaatomic sulfur	12.79	12	ug/l	JN
	Total TIC, Semi-Volatile		260.4	ug/l	J

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Report of Analysis

Page 1 of 1

Client Sample ID: OB-1	Date Sampled: 02/27/13
Lab Sample ID: JB29990-4	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	276	200	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Antimony	< 6.0	6.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Arsenic	3.5	3.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Barium	348	200	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Calcium	408000	5000	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Cobalt	< 50	50	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Copper	34.6	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Iron	2260	100	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Lead	5.8	3.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Magnesium	44000	5000	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Manganese	3700	15	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	03/12/13	03/12/13 CS	SW846 7470A ³	SW846 7470A ⁵
Nickel	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Potassium	20600	10000	ug/l	1	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Sodium	510000	50000	ug/l	5	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁴
Thallium	< 2.0	2.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Vanadium	< 50	50	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴

(1) Instrument QC Batch: MA30650

(2) Instrument QC Batch: MA30664

(3) Instrument QC Batch: MA30687

(4) Prep QC Batch: MP70248

(5) Prep QC Batch: MP70400

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-7	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-5	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125383.D	1	03/07/13	CC	n/a	n/a	V1A5395
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

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Report of Analysis

Page 2 of 2

Client Sample ID: MW-7	Date Sampled: 02/27/13
Lab Sample ID: JB29990-5	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		81-121%
17060-07-0	1,2-Dichloroethane-D4	92%		74-127%
2037-26-5	Toluene-D8	97%		80-122%
460-00-4	4-Bromofluorobenzene	86%		78-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

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Report of Analysis

Page 1 of 3

Client Sample ID:	MW-7	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-5	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P71475.D	1	03/11/13	NAP	03/05/13	OP64089	EP3059
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	1.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.3	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	1.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	17	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	1.0	ug/l	
95-48-7	2-Methylphenol	ND	2.1	1.1	ug/l	
	3&4-Methylphenol	ND	2.1	0.97	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	1.6	ug/l	
100-02-7	4-Nitrophenol	ND	11	5.5	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.5	ug/l	
108-95-2	Phenol	ND	2.1	1.3	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	0.99	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.6	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	1.4	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.28	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.24	ug/l	
98-86-2	Acetophenone	ND	2.1	0.30	ug/l	
120-12-7	Anthracene	ND	1.1	0.30	ug/l	
1912-24-9	Atrazine	ND	5.3	0.51	ug/l	
100-52-7	Benzaldehyde	ND	5.3	3.4	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.24	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.24	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.48	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.54	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.38	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.30	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.32	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.31	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.56	ug/l	
86-74-8	Carbazole	ND	1.1	0.38	ug/l	

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Report of Analysis

Page 2 of 3

Client Sample ID:	MW-7	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-5	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.73	ug/l	
218-01-9	Chrysene	ND	1.1	0.30	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.32	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	0.48	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.33	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.45	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.49	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.3	0.38	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.40	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.28	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.58	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.32	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.34	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.30	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.2	2.1	0.62	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.33	ug/l	
86-73-7	Fluorene	ND	1.1	0.29	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.54	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	7.5	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.58	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.39	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.40	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	1.7	ug/l	
91-20-3	Naphthalene	ND	1.1	0.27	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.44	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.32	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.32	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.31	ug/l	
129-00-0	Pyrene	ND	1.1	0.28	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.32	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		10-83%
1465-62-2	Phenol-d5	23%		10-74%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration 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:	MW-7	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-5	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	88%		24-148%
4165-60-0	Nitrobenzene-d5	62%		38-129%
321-60-8	2-Fluorobiphenyl	55%		42-117%
1718-51-0	Terphenyl-d14	89%		14-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.37	12	ug/l	J
	Total TIC, Semi-Volatile		0	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 1 of 1

Client Sample ID:	MW-7	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-5	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8081B SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3G73895.D	1	03/16/13	OPM	03/14/13	OP64082	G3G2544
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.011	0.0083	ug/l	
319-84-6	alpha-BHC	ND	0.011	0.0025	ug/l	
319-85-7	beta-BHC	ND	0.011	0.0024	ug/l	
319-86-8	delta-BHC	ND	0.011	0.0020	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.011	0.0018	ug/l	
5103-71-9	alpha-Chlordane	ND	0.011	0.0030	ug/l	
5103-74-2	gamma-Chlordane	ND	0.011	0.0022	ug/l	
60-57-1	Dieldrin	ND	0.011	0.0017	ug/l	
72-54-8	4,4' -DDD	ND	0.011	0.0026	ug/l	
72-55-9	4,4' -DDE	ND	0.011	0.0018	ug/l	
50-29-3	4,4' -DDT	ND	0.011	0.0033	ug/l	
72-20-8	Endrin	ND	0.011	0.0021	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.011	0.0020	ug/l	
7421-93-4	Endrin aldehyde	ND	0.011	0.0039	ug/l	
53494-70-5	Endrin ketone	ND	0.011	0.0050	ug/l	
959-98-8	Endosulfan-I	ND	0.011	0.0030	ug/l	
33213-65-9	Endosulfan-II	ND	0.011	0.0021	ug/l	
76-44-8	Heptachlor	ND	0.011	0.0023	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.011	0.0028	ug/l	
72-43-5	Methoxychlor	ND	0.021	0.0043	ug/l	
8001-35-2	Toxaphene	ND	0.26	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		26-145%
877-09-8	Tetrachloro-m-xylene	72%		26-145%
2051-24-3	Decachlorobiphenyl	71%		10-141%
2051-24-3	Decachlorobiphenyl	74%		10-141%

(a) Re-extracted due to lab contaminated on original extract. originally prep date was within holding time.

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	MW-7	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-5	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G78281.D	1	03/05/13	JR	03/04/13	OP64083	G2G2604
Run #2							

	Initial Volume	Final Volume
Run #1	880 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.57	0.15	ug/l	
11104-28-2	Aroclor 1221	ND	0.57	0.31	ug/l	
11141-16-5	Aroclor 1232	ND	0.57	0.44	ug/l	
53469-21-9	Aroclor 1242	ND	0.57	0.098	ug/l	
12672-29-6	Aroclor 1248	ND	0.57	0.16	ug/l	
11097-69-1	Aroclor 1254	ND	0.57	0.16	ug/l	
11096-82-5	Aroclor 1260	ND	0.57	0.24	ug/l	
11100-14-4	Aroclor 1268	ND	0.57	0.15	ug/l	
37324-23-5	Aroclor 1262	ND	0.57	0.068	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		27-144%
877-09-8	Tetrachloro-m-xylene	76%		27-144%
2051-24-3	Decachlorobiphenyl	69%		10-139%
2051-24-3	Decachlorobiphenyl	75%		10-139%

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Report of Analysis

Page 1 of 1

Client Sample ID: MW-7	Date Sampled: 02/27/13
Lab Sample ID: JB29990-5	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	658	200	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Antimony	< 6.0	6.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Arsenic	< 3.0	3.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Barium	< 200	200	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Calcium	< 5000	5000	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Cobalt	< 50	50	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Iron	3590	100	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Lead	8.2	3.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Magnesium	< 5000	5000	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Manganese	26.0	15	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	03/12/13	03/12/13 CS	SW846 7470A ³	SW846 7470A ⁵
Nickel	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Potassium	< 10000	10000	ug/l	1	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Sodium	114000	10000	ug/l	1	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁴
Thallium	< 2.0	2.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Vanadium	< 50	50	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Zinc	87.6	20	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴

(1) Instrument QC Batch: MA30650

(2) Instrument QC Batch: MA30664

(3) Instrument QC Batch: MA30687

(4) Prep QC Batch: MP70248

(5) Prep QC Batch: MP70400

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	FB022713	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-6	Date Received:	02/28/13
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125319.D	1	03/06/13	CC	n/a	n/a	V1A5392
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

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Report of Analysis

Page 2 of 2

Client Sample ID:	FB022713	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-6	Date Received:	02/28/13
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		81-121%
17060-07-0	1,2-Dichloroethane-D4	88%		74-127%
2037-26-5	Toluene-D8	96%		80-122%
460-00-4	4-Bromofluorobenzene	87%		78-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

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Report of Analysis

Page 1 of 3

Client Sample ID:	FB022713	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-6	Date Received:	02/28/13
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P71476.D	1	03/11/13	NAP	03/05/13	OP64089	EP3059
Run #2							

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

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.97	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.5	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	17	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.99	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.0	ug/l	
	3&4-Methylphenol	ND	2.0	0.93	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.5	ug/l	
100-02-7	4-Nitrophenol	ND	10	5.2	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.4	ug/l	
108-95-2	Phenol	ND	2.0	1.3	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.94	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.6	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.3	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.26	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.23	ug/l	
98-86-2	Acetophenone	ND	2.0	0.29	ug/l	
120-12-7	Anthracene	ND	1.0	0.29	ug/l	
1912-24-9	Atrazine	ND	5.0	0.49	ug/l	
100-52-7	Benzaldehyde	ND	5.0	3.3	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.46	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.32	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.36	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.29	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.30	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.53	ug/l	
86-74-8	Carbazole	ND	1.0	0.36	ug/l	

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Report of Analysis

Page 2 of 3

Client Sample ID:	FB022713	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-6	Date Received:	02/28/13
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.69	ug/l	
218-01-9	Chrysene	ND	1.0	0.29	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.31	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	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.31	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.43	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.46	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.0	0.36	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.38	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.27	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.56	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.31	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.33	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.28	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.59	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.32	ug/l	
86-73-7	Fluorene	ND	1.0	0.28	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.51	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	7.1	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.55	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.37	ug/l	
78-59-1	Isophorone	ND	2.0	0.27	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.38	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	1.7	ug/l	
91-20-3	Naphthalene	ND	1.0	0.26	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.42	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.30	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.31	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.29	ug/l	
129-00-0	Pyrene	ND	1.0	0.27	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.31	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	31%		10-83%
1465-62-2	Phenol-d5	24%		10-74%

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Report of Analysis

Page 3 of 3

Client Sample ID:	FB022713	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-6	Date Received:	02/28/13
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	88%		24-148%
4165-60-0	Nitrobenzene-d5	69%		38-129%
321-60-8	2-Fluorobiphenyl	56%		42-117%
1718-51-0	Terphenyl-d14	109%		14-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.37	12	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

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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 1

Client Sample ID:	FB022713	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-6	Date Received:	02/28/13
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8081B SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3G73891.D	1	03/16/13	OPM	03/14/13	OP64082	G3G2544
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.010	0.0079	ug/l	
319-84-6	alpha-BHC	ND	0.010	0.0023	ug/l	
319-85-7	beta-BHC	ND	0.010	0.0023	ug/l	
319-86-8	delta-BHC	ND	0.010	0.0019	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.010	0.0017	ug/l	
5103-71-9	alpha-Chlordane	ND	0.010	0.0029	ug/l	
5103-74-2	gamma-Chlordane	ND	0.010	0.0021	ug/l	
60-57-1	Dieldrin	ND	0.010	0.0016	ug/l	
72-54-8	4,4' -DDD	ND	0.010	0.0025	ug/l	
72-55-9	4,4' -DDE	ND	0.010	0.0017	ug/l	
50-29-3	4,4' -DDT	ND	0.010	0.0032	ug/l	
72-20-8	Endrin	ND	0.010	0.0020	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.010	0.0019	ug/l	
7421-93-4	Endrin aldehyde	ND	0.010	0.0037	ug/l	
53494-70-5	Endrin ketone	ND	0.010	0.0047	ug/l	
959-98-8	Endosulfan-I	ND	0.010	0.0028	ug/l	
33213-65-9	Endosulfan-II	ND	0.010	0.0020	ug/l	
76-44-8	Heptachlor	ND	0.010	0.0022	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.010	0.0026	ug/l	
72-43-5	Methoxychlor	ND	0.020	0.0041	ug/l	
8001-35-2	Toxaphene	ND	0.25	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	68%		26-145%
877-09-8	Tetrachloro-m-xylene	61%		26-145%
2051-24-3	Decachlorobiphenyl	37%		10-141%
2051-24-3	Decachlorobiphenyl	40%		10-141%

(a) Re-extracted due to lab contaminated on original extract. originally prep date was within holding time.

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	FB022713	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-6	Date Received:	02/28/13
Matrix:	AQ - Field Blank Water	Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G78282.D	1	03/05/13	JR	03/04/13	OP64083	G2G2604
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.50	0.13	ug/l	
11104-28-2	Aroclor 1221	ND	0.50	0.27	ug/l	
11141-16-5	Aroclor 1232	ND	0.50	0.39	ug/l	
53469-21-9	Aroclor 1242	ND	0.50	0.086	ug/l	
12672-29-6	Aroclor 1248	ND	0.50	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.50	0.14	ug/l	
11096-82-5	Aroclor 1260	ND	0.50	0.21	ug/l	
11100-14-4	Aroclor 1268	ND	0.50	0.13	ug/l	
37324-23-5	Aroclor 1262	ND	0.50	0.060	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		27-144%
877-09-8	Tetrachloro-m-xylene	72%		27-144%
2051-24-3	Decachlorobiphenyl	40%		10-139%
2051-24-3	Decachlorobiphenyl	41%		10-139%

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Report of Analysis

Page 1 of 1

Client Sample ID: FB022713	Date Sampled: 02/27/13
Lab Sample ID: JB29990-6	Date Received: 02/28/13
Matrix: AQ - Field Blank Water	Percent Solids: n/a
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Antimony	< 6.0	6.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Arsenic	< 3.0	3.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Barium	< 200	200	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Calcium	< 5000	5000	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Cobalt	< 50	50	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Iron	< 100	100	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Lead	< 3.0	3.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Magnesium	< 5000	5000	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Manganese	< 15	15	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	03/12/13	03/12/13 CS	SW846 7470A ³	SW846 7470A ⁵
Nickel	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Potassium	< 10000	10000	ug/l	1	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Sodium	< 10000	10000	ug/l	1	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁴
Thallium	< 2.0	2.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Vanadium	< 50	50	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴

(1) Instrument QC Batch: MA30650

(2) Instrument QC Batch: MA30664

(3) Instrument QC Batch: MA30687

(4) Prep QC Batch: MP70248

(5) Prep QC Batch: MP70400

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	RX-1	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-7	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125320.D	1	03/06/13	CC	n/a	n/a	V1A5392
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

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Report of Analysis

Page 2 of 2

Client Sample ID: RX-1	Date Sampled: 02/27/13
Lab Sample ID: JB29990-7	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.43	1.0	0.16	ug/l	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		81-121%
17060-07-0	1,2-Dichloroethane-D4	89%		74-127%
2037-26-5	Toluene-D8	96%		80-122%
460-00-4	4-Bromofluorobenzene	87%		78-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

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Report of Analysis

Page 1 of 3

Client Sample ID:	RX-1	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-7	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P71477.D	1	03/11/13	NAP	03/05/13	OP64089	EP3059
Run #2							

Run #	Initial Volume	Final Volume
Run #1	910 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.5	1.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.5	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.5	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.5	1.7	ug/l	
51-28-5	2,4-Dinitrophenol	ND	22	18	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	22	1.1	ug/l	
95-48-7	2-Methylphenol	ND	2.2	1.1	ug/l	
	3&4-Methylphenol	ND	2.2	1.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.5	1.6	ug/l	
100-02-7	4-Nitrophenol	ND	11	5.7	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.5	ug/l	
108-95-2	Phenol	ND	2.2	1.4	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.5	1.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.5	1.7	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.5	1.4	ug/l	
83-32-9	Acenaphthene	ND	1.1	0.29	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.25	ug/l	
98-86-2	Acetophenone	ND	2.2	0.31	ug/l	
120-12-7	Anthracene	ND	1.1	0.32	ug/l	
1912-24-9	Atrazine	ND	5.5	0.54	ug/l	
100-52-7	Benzaldehyde	ND	5.5	3.6	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.1	0.25	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.1	0.25	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.1	0.50	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.35	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.1	0.56	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.2	0.39	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.2	0.32	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.33	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.2	0.33	ug/l	
106-47-8	4-Chloroaniline	ND	5.5	0.58	ug/l	
86-74-8	Carbazole	ND	1.1	0.40	ug/l	

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Report of Analysis

Page 2 of 3

Client Sample ID:	RX-1	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-7	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.2	0.76	ug/l	
218-01-9	Chrysene	ND	1.1	0.32	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.2	0.34	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.2	0.34	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.2	0.50	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.2	0.34	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.2	0.47	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.2	0.51	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.5	0.40	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.42	ug/l	
132-64-9	Dibenzofuran	ND	5.5	0.29	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.2	0.61	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.2	0.34	ug/l	
84-66-2	Diethyl phthalate	ND	2.2	0.36	ug/l	
131-11-3	Dimethyl phthalate	ND	2.2	0.31	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.2	0.64	ug/l	
206-44-0	Fluoranthene	ND	1.1	0.35	ug/l	
86-73-7	Fluorene	ND	1.1	0.30	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.37	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.56	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	7.8	ug/l	
67-72-1	Hexachloroethane	ND	2.2	0.60	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.41	ug/l	
78-59-1	Isophorone	ND	2.2	0.30	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.42	ug/l	
88-74-4	2-Nitroaniline	ND	5.5	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.5	1.4	ug/l	
100-01-6	4-Nitroaniline	ND	5.5	1.8	ug/l	
91-20-3	Naphthalene	ND	1.1	0.28	ug/l	
98-95-3	Nitrobenzene	ND	2.2	0.46	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.2	0.33	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.5	0.34	ug/l	
85-01-8	Phenanthrene	ND	1.1	0.32	ug/l	
129-00-0	Pyrene	ND	1.1	0.30	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.2	0.34	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	29%		10-83%
4165-62-2	Phenol-d5	21%		10-74%

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Report of Analysis

Page 3 of 3

Client Sample ID:	RX-1	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-7	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits		
118-79-6	2,4,6-Tribromophenol	95%		24-148%		
4165-60-0	Nitrobenzene-d5	54%		38-129%		
321-60-8	2-Fluorobiphenyl	46%		42-117%		
1718-51-0	Terphenyl-d14	94%		14-132%		

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.37	11	ug/l	J
	system artifact/aldol-condensation	2.70	14	ug/l	J
	system artifact	3.39	7.1	ug/l	J
	unknown acid	12.12	4.7	ug/l	J
	Total TIC, Semi-Volatile		4.7	ug/l	J

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Report of Analysis

Page 1 of 1

Client Sample ID:	RX-1	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-7	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8081B SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3G73892.D	1	03/16/13	OPM	03/14/13	OP64082	G3G2544
Run #2							

	Initial Volume	Final Volume
Run #1	920 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.011	0.0086	ug/l	
319-84-6	alpha-BHC	ND	0.011	0.0025	ug/l	
319-85-7	beta-BHC	ND	0.011	0.0025	ug/l	
319-86-8	delta-BHC	ND	0.011	0.0020	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.011	0.0019	ug/l	
5103-71-9	alpha-Chlordane	ND	0.011	0.0031	ug/l	
5103-74-2	gamma-Chlordane	ND	0.011	0.0023	ug/l	
60-57-1	Dieldrin	ND	0.011	0.0017	ug/l	
72-54-8	4,4'-DDD	0.015	0.011	0.0027	ug/l	
72-55-9	4,4'-DDE	ND	0.011	0.0019	ug/l	
50-29-3	4,4'-DDT	ND	0.011	0.0034	ug/l	
72-20-8	Endrin	ND	0.011	0.0022	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.011	0.0021	ug/l	
7421-93-4	Endrin aldehyde	ND	0.011	0.0040	ug/l	
53494-70-5	Endrin ketone	ND	0.011	0.0051	ug/l	
959-98-8	Endosulfan-I	ND	0.011	0.0031	ug/l	
33213-65-9	Endosulfan-II	ND	0.011	0.0021	ug/l	
76-44-8	Heptachlor	ND	0.011	0.0023	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.011	0.0029	ug/l	
72-43-5	Methoxychlor	ND	0.022	0.0044	ug/l	
8001-35-2	Toxaphene	ND	0.27	0.16	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%		26-145%
877-09-8	Tetrachloro-m-xylene	63%		26-145%
2051-24-3	Decachlorobiphenyl	57%		10-141%
2051-24-3	Decachlorobiphenyl	58%		10-141%

(a) Re-extracted due to lab contaminated on original extract. originally prep date was within holding time.

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Report of Analysis

Page 1 of 1

Client Sample ID:	RX-1	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-7	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G78283.D	1	03/05/13	JR	03/04/13	OP64083	G2G2604
Run #2							

	Initial Volume	Final Volume
Run #1	960 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.52	0.13	ug/l	
11104-28-2	Aroclor 1221	ND	0.52	0.28	ug/l	
11141-16-5	Aroclor 1232	ND	0.52	0.40	ug/l	
53469-21-9	Aroclor 1242	ND	0.52	0.090	ug/l	
12672-29-6	Aroclor 1248	ND	0.52	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.52	0.15	ug/l	
11096-82-5	Aroclor 1260	ND	0.52	0.22	ug/l	
11100-14-4	Aroclor 1268	ND	0.52	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.52	0.063	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		27-144%
877-09-8	Tetrachloro-m-xylene	58%		27-144%
2051-24-3	Decachlorobiphenyl	53%		10-139%
2051-24-3	Decachlorobiphenyl	56%		10-139%

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Report of Analysis

Page 1 of 1

Client Sample ID: RX-1	Date Sampled: 02/27/13
Lab Sample ID: JB29990-7	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	1250	200	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Antimony	< 6.0	6.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Arsenic	< 3.0	3.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Barium	622	200	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Cadmium	8.4	3.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Calcium	267000	5000	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Cobalt	< 50	50	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Copper	19.6	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Iron	5530	100	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Lead	86.8	3.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Magnesium	97000	5000	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Manganese	7170	15	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	03/12/13	03/12/13 CS	SW846 7470A ³	SW846 7470A ⁵
Nickel	14.8	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Potassium	34500	10000	ug/l	1	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Sodium	1290000	50000	ug/l	5	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁴
Thallium	< 2.0	2.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Vanadium	< 50	50	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Zinc	140	20	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴

(1) Instrument QC Batch: MA30650

(2) Instrument QC Batch: MA30664

(3) Instrument QC Batch: MA30687

(4) Prep QC Batch: MP70248

(5) Prep QC Batch: MP70400

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	DUP022713	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-8	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125308.D	1	03/06/13	CC	n/a	n/a	V1A5392
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

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Report of Analysis

Page 2 of 2

Client Sample ID:	DUP022713	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-8	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.81	1.0	0.16	ug/l	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		81-121%
17060-07-0	1,2-Dichloroethane-D4	90%		74-127%
2037-26-5	Toluene-D8	97%		80-122%
460-00-4	4-Bromofluorobenzene	86%		78-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

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Report of Analysis

Page 1 of 3

Client Sample ID:	DUP022713	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-8	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P71518.D	1	03/12/13	NAP	03/05/13	OP64089	EP3060
Run #2							

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

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.97	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	1.8	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	1.5	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	17	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	0.99	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.0	ug/l	
	3&4-Methylphenol	ND	2.0	0.93	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	1.5	ug/l	
100-02-7	4-Nitrophenol	ND	10	5.2	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.4	ug/l	
108-95-2	Phenol	ND	2.0	1.3	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	0.94	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.6	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	1.3	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.26	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.23	ug/l	
98-86-2	Acetophenone	ND	2.0	0.29	ug/l	
120-12-7	Anthracene	ND	1.0	0.29	ug/l	
1912-24-9	Atrazine	ND	5.0	0.49	ug/l	
100-52-7	Benzaldehyde	ND	5.0	3.3	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.46	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.32	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.51	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.36	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.29	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.30	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.30	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.53	ug/l	
86-74-8	Carbazole	ND	1.0	0.36	ug/l	

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Report of Analysis

Page 2 of 3

Client Sample ID:	DUP022713	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-8	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.69	ug/l	
218-01-9	Chrysene	ND	1.0	0.29	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.31	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	0.45	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.31	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.43	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.46	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.0	0.36	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.38	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.27	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.56	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.31	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.33	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.28	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.59	ug/l	
206-44-0	Fluoranthene	0.53	1.0	0.32	ug/l	J
86-73-7	Fluorene	ND	1.0	0.28	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.51	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	7.1	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.55	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.37	ug/l	
78-59-1	Isophorone	ND	2.0	0.27	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.38	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	1.7	ug/l	
91-20-3	Naphthalene	ND	1.0	0.26	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.42	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.30	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.31	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.29	ug/l	
129-00-0	Pyrene	0.65	1.0	0.27	ug/l	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.31	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	22%		10-83%
4165-62-2	Phenol-d5	18%		10-74%

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Report of Analysis

Page 3 of 3

Client Sample ID:	DUP022713	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-8	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	91%		24-148%
4165-60-0	Nitrobenzene-d5	47%		38-129%
321-60-8	2-Fluorobiphenyl	40% ^a		42-117%
1718-51-0	Terphenyl-d14	92%		14-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.37	8.9	ug/l	J
	system artifact/aldol-condensation	2.70	11	ug/l	J
	system artifact	3.40	5.4	ug/l	J
	unknown acid	12.12	4	ug/l	J
	Total TIC, Semi-Volatile		4	ug/l	J

(a) Outside of in house control limits. There's no sample left to reextract.

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Report of Analysis

Page 1 of 1

Client Sample ID:	DUP022713	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-8	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8081B SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3G73893.D	1	03/16/13	OPM	03/14/13	OP64082	G3G2544
Run #2							

	Initial Volume	Final Volume
Run #1	930 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.011	0.0085	ug/l	
319-84-6	alpha-BHC	ND	0.011	0.0025	ug/l	
319-85-7	beta-BHC	ND	0.011	0.0025	ug/l	
319-86-8	delta-BHC	ND	0.011	0.0020	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.011	0.0018	ug/l	
5103-71-9	alpha-Chlordane	ND	0.011	0.0031	ug/l	
5103-74-2	gamma-Chlordane	ND	0.011	0.0023	ug/l	
60-57-1	Dieldrin	ND	0.011	0.0017	ug/l	
72-54-8	4,4' -DDD	0.013	0.011	0.0027	ug/l	
72-55-9	4,4' -DDE	ND	0.011	0.0018	ug/l	
50-29-3	4,4' -DDT	ND	0.011	0.0034	ug/l	
72-20-8	Endrin	ND	0.011	0.0021	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.011	0.0021	ug/l	
7421-93-4	Endrin aldehyde	ND	0.011	0.0039	ug/l	
53494-70-5	Endrin ketone	ND	0.011	0.0051	ug/l	
959-98-8	Endosulfan-I	ND	0.011	0.0030	ug/l	
33213-65-9	Endosulfan-II	ND	0.011	0.0021	ug/l	
76-44-8	Heptachlor	ND	0.011	0.0023	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.011	0.0028	ug/l	
72-43-5	Methoxychlor	ND	0.022	0.0044	ug/l	
8001-35-2	Toxaphene	ND	0.27	0.16	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		26-145%
877-09-8	Tetrachloro-m-xylene	61%		26-145%
2051-24-3	Decachlorobiphenyl	57%		10-141%
2051-24-3	Decachlorobiphenyl	66%		10-141%

(a) Re-extracted due to lab contaminated on original extract. originally prep date was within holding time.

ND = Not detected MDL - Method Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID:	DUP022713	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-8	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G78284.D	1	03/05/13	JR	03/04/13	OP64083	G2G2604
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.56	0.14	ug/l	
11104-28-2	Aroclor 1221	ND	0.56	0.30	ug/l	
11141-16-5	Aroclor 1232	ND	0.56	0.43	ug/l	
53469-21-9	Aroclor 1242	ND	0.56	0.097	ug/l	
12672-29-6	Aroclor 1248	ND	0.56	0.16	ug/l	
11097-69-1	Aroclor 1254	ND	0.56	0.16	ug/l	
11096-82-5	Aroclor 1260	ND	0.56	0.23	ug/l	
11100-14-4	Aroclor 1268	ND	0.56	0.15	ug/l	
37324-23-5	Aroclor 1262	ND	0.56	0.067	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		27-144%
877-09-8	Tetrachloro-m-xylene	60%		27-144%
2051-24-3	Decachlorobiphenyl	62%		10-139%
2051-24-3	Decachlorobiphenyl	66%		10-139%

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Report of Analysis

Page 1 of 1

Client Sample ID:	DUP022713	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-8	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	1140	200	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Antimony	< 6.0	6.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Arsenic	< 3.0	3.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Barium	657	200	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Cadmium	9.1	3.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Calcium	271000	5000	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Cobalt	< 50	50	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Copper	17.4	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Iron	5740	100	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Lead	84.0	3.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Magnesium	89900	5000	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Manganese	7470	15	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	03/12/13	03/12/13 CS	SW846 7470A ³	SW846 7470A ⁵
Nickel	14.6	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Potassium	33100	10000	ug/l	1	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Sodium	1250000	50000	ug/l	5	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁴
Thallium	< 2.0	2.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Vanadium	< 50	50	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴
Zinc	134	20	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁴

(1) Instrument QC Batch: MA30650

(2) Instrument QC Batch: MA30664

(3) Instrument QC Batch: MA30687

(4) Prep QC Batch: MP70248

(5) Prep QC Batch: MP70400

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	MW-8	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-9	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125310.D	1	03/06/13	CC	n/a	n/a	V1A5392
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

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Report of Analysis

Page 2 of 2

Client Sample ID: MW-8	Date Sampled: 02/27/13
Lab Sample ID: JB29990-9	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		81-121%
17060-07-0	1,2-Dichloroethane-D4	91%		74-127%
2037-26-5	Toluene-D8	97%		80-122%
460-00-4	4-Bromofluorobenzene	86%		78-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

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Report of Analysis

Page 1 of 3

Client Sample ID:	MW-8	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-9	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P71479.D	1	03/11/13	NAP	03/05/13	OP64089	EP3059
Run #2							

Run #	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	0.99	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.1	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	1.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	17	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	1.0	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	0.94	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	1.5	ug/l	
100-02-7	4-Nitrophenol	ND	10	5.3	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.4	ug/l	
108-95-2	Phenol	ND	2.0	1.3	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	0.96	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	1.6	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	1.3	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.27	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.23	ug/l	
98-86-2	Acetophenone	ND	2.0	0.29	ug/l	
120-12-7	Anthracene	ND	1.0	0.29	ug/l	
1912-24-9	Atrazine	ND	5.1	0.50	ug/l	
100-52-7	Benzaldehyde	ND	5.1	3.3	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.47	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.33	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.52	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.36	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.29	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.31	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.30	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.54	ug/l	
86-74-8	Carbazole	ND	1.0	0.37	ug/l	

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Report of Analysis

Page 2 of 3

Client Sample ID:	MW-8	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-9	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.70	ug/l	
218-01-9	Chrysene	ND	1.0	0.29	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.31	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	0.46	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.32	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.43	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.47	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.1	0.37	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.39	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.27	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.57	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.31	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.33	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.29	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.60	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.32	ug/l	
86-73-7	Fluorene	ND	1.0	0.28	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	7.3	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.56	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.38	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.39	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	1.7	ug/l	
91-20-3	Naphthalene	ND	1.0	0.26	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.43	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.31	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.31	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.30	ug/l	
129-00-0	Pyrene	ND	1.0	0.28	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.31	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	27%		10-83%
1465-62-2	Phenol-d5	24%		10-74%

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J = Indicates an estimated value

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Report of Analysis

Page 3 of 3

Client Sample ID: MW-8	Date Sampled: 02/27/13
Lab Sample ID: JB29990-9	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8270D SW846 3510C	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	85%		24-148%
4165-60-0	Nitrobenzene-d5	50%		38-129%
321-60-8	2-Fluorobiphenyl	42%		42-117%
1718-51-0	Terphenyl-d14	94%		14-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.37	8.4	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

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Report of Analysis

Page 1 of 1

Client Sample ID:	MW-8	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-9	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8081B SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	3G73894.D	1	03/16/13	OPM	03/14/13	OP64082	G3G2544
Run #2							

	Initial Volume	Final Volume
Run #1	940 ml	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.011	0.0084	ug/l	
319-84-6	alpha-BHC	ND	0.011	0.0025	ug/l	
319-85-7	beta-BHC	ND	0.011	0.0024	ug/l	
319-86-8	delta-BHC	ND	0.011	0.0020	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.011	0.0018	ug/l	
5103-71-9	alpha-Chlordane	ND	0.011	0.0030	ug/l	
5103-74-2	gamma-Chlordane	ND	0.011	0.0022	ug/l	
60-57-1	Dieldrin	ND	0.011	0.0017	ug/l	
72-54-8	4,4' -DDD	ND	0.011	0.0026	ug/l	
72-55-9	4,4' -DDE	ND	0.011	0.0018	ug/l	
50-29-3	4,4' -DDT	ND	0.011	0.0034	ug/l	
72-20-8	Endrin	ND	0.011	0.0021	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.011	0.0020	ug/l	
7421-93-4	Endrin aldehyde	ND	0.011	0.0039	ug/l	
53494-70-5	Endrin ketone	ND	0.011	0.0050	ug/l	
959-98-8	Endosulfan-I	ND	0.011	0.0030	ug/l	
33213-65-9	Endosulfan-II	ND	0.011	0.0021	ug/l	
76-44-8	Heptachlor	ND	0.011	0.0023	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.011	0.0028	ug/l	
72-43-5	Methoxychlor	ND	0.021	0.0043	ug/l	
8001-35-2	Toxaphene	ND	0.27	0.16	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	76%		26-145%
877-09-8	Tetrachloro-m-xylene	67%		26-145%
2051-24-3	Decachlorobiphenyl	76%		10-141%
2051-24-3	Decachlorobiphenyl	79%		10-141%

(a) Re-extracted due to lab contaminated on original extract. originally prep date was 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 1

Client Sample ID:	MW-8	Date Sampled:	02/27/13
Lab Sample ID:	JB29990-9	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8082A SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G78285.D	1	03/05/13	JR	03/04/13	OP64083	G2G2604
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.53	0.13	ug/l	
11104-28-2	Aroclor 1221	ND	0.53	0.29	ug/l	
11141-16-5	Aroclor 1232	ND	0.53	0.41	ug/l	
53469-21-9	Aroclor 1242	ND	0.53	0.091	ug/l	
12672-29-6	Aroclor 1248	ND	0.53	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.53	0.15	ug/l	
11096-82-5	Aroclor 1260	ND	0.53	0.22	ug/l	
11100-14-4	Aroclor 1268	ND	0.53	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.53	0.063	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	55%		27-144%
877-09-8	Tetrachloro-m-xylene	55%		27-144%
2051-24-3	Decachlorobiphenyl	78%		10-139%
2051-24-3	Decachlorobiphenyl	86%		10-139%

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Report of Analysis

Page 1 of 1

Client Sample ID: MW-8	Date Sampled: 02/27/13
Lab Sample ID: JB29990-9	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁶
Antimony ^a	< 60	60	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Arsenic ^a	< 30	30	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Barium	< 200	200	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁶
Beryllium	< 1.0	1.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁶
Cadmium ^a	< 30	30	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Calcium	197000	5000	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁶
Chromium ^a	< 100	100	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Cobalt ^a	< 500	500	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Copper ^a	< 100	100	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Iron	< 100	100	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁶
Lead ^a	< 30	30	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Magnesium	544000	5000	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁶
Manganese ^a	< 150	150	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Mercury	< 0.20	0.20	ug/l	1	03/12/13	03/12/13 CS	SW846 7470A ⁴	SW846 7470A ⁷
Nickel ^a	< 100	100	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Potassium	200000	10000	ug/l	1	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Selenium ^a	< 100	100	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Silver ^a	< 100	100	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Sodium	5080000	200000	ug/l	20	03/07/13	03/12/13 ND	SW846 6010C ³	SW846 3010A ⁶
Thallium ^a	< 20	20	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Vanadium ^a	< 500	500	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁶
Zinc ^a	< 200	200	ug/l	10	03/07/13	03/13/13 BL	SW846 6010C ⁵	SW846 3010A ⁶

(1) Instrument QC Batch: MA30650

(2) Instrument QC Batch: MA30664

(3) Instrument QC Batch: MA30684

(4) Instrument QC Batch: MA30687

(5) Instrument QC Batch: MA30694

(6) Prep QC Batch: MP70248

(7) Prep QC Batch: MP70400

(a) Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	MW-4	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-10	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125311.D	1	03/06/13	CC	n/a	n/a	V1A5392
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	24.6	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

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Report of Analysis

Page 2 of 2

Client Sample ID: MW-4	Date Sampled: 02/28/13
Lab Sample ID: JB29990-10	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	2.0	5.0	0.83	ug/l	J
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	0.42	1.0	0.23	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		81-121%
17060-07-0	1,2-Dichloroethane-D4	91%		74-127%
2037-26-5	Toluene-D8	97%		80-122%
460-00-4	4-Bromofluorobenzene	87%		78-116%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
64-17-5	Ethanol	6.34	13	ug/l	JN
	Total TIC, Volatile		13	ug/l	J

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Report of Analysis

Page 1 of 3

Client Sample ID:	MW-4	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-10	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P71480.D	1	03/11/13	NAP	03/05/13	OP64089	EP3059
Run #2 ^a	R97927.D	1	03/22/13	AD	03/21/13	OP64613	ER3882

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2	910 ml	1.0 ml

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	0.99	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.1	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.1	1.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	17	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	1.0	ug/l	
95-48-7	2-Methylphenol	ND	2.0	1.1	ug/l	
	3&4-Methylphenol	ND	2.0	0.94	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	1.5	ug/l	
100-02-7	4-Nitrophenol	ND	10	5.3	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.4	ug/l	
108-95-2	Phenol	ND	2.0	1.3	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	0.96	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	1.6	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	1.3	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.27	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.23	ug/l	
98-86-2	Acetophenone	ND	2.0	0.29	ug/l	
120-12-7	Anthracene	ND	1.0	0.29	ug/l	
1912-24-9	Atrazine	ND	5.1	0.50	ug/l	
100-52-7	Benzaldehyde	ND	5.1	3.3	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.47	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.33	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.52	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.36	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.29	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.31	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.30	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.54	ug/l	
86-74-8	Carbazole	ND	1.0	0.37	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID:	MW-4	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-10	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.70	ug/l	
218-01-9	Chrysene	ND	1.0	0.29	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.31	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	0.46	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.32	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.43	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.47	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.1	0.37	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.39	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.27	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.57	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.31	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.33	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.29	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.4	2.0	0.60	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.32	ug/l	
86-73-7	Fluorene	ND	1.0	0.28	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	7.3	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.56	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.38	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.39	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	1.7	ug/l	
91-20-3	Naphthalene	ND	1.0	0.26	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.43	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.31	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.31	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.30	ug/l	
129-00-0	Pyrene	ND	1.0	0.28	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.31	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	20%	40%	10-83%
4165-62-2	Phenol-d5	17%	31%	10-74%

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Report of Analysis

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Client Sample ID:	MW-4	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-10	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	69%	65%	24-148%
4165-60-0	Nitrobenzene-d5	36% ^b	59%	38-129%
321-60-8	2-Fluorobiphenyl	27% ^b	52%	42-117%
1718-51-0	Terphenyl-d14	65%	72%	14-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.37	6	ug/l	J
	system artifact	2.71	36	ug/l	J
	system artifact	3.29	76	ug/l	J
	system artifact	3.62	4.2	ug/l	J
	unknown acid	5.46	42	ug/l	J
65-85-0	Benzoic acid	5.87	6.1	ug/l	JN
	unknown	6.83	4.7	ug/l	J
	Diethyltoluamide	9.60	17	ug/l	J
	unknown	11.68	5.7	ug/l	J
	unknown acid	12.13	26	ug/l	J
	unknown	12.75	11	ug/l	J
	unknown	13.01	34	ug/l	J
	unknown acid	13.10	19	ug/l	J
	unknown	14.36	4.2	ug/l	J
	Total TIC, Semi-Volatile		169.7	ug/l	J

(a) Confirmation run.

(b) Outside in house control limits biased low. The results confirmed by re-extraction outside the 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

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Client Sample ID: MW-4	Date Sampled: 02/28/13
Lab Sample ID: JB29990-10	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁵
Antimony	< 6.0	6.0	ug/l	1	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁵
Arsenic	< 3.0	3.0	ug/l	1	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁵
Barium	< 200	200	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁵
Beryllium	< 1.0	1.0	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁵
Cadmium	< 3.0	3.0	ug/l	1	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁵
Calcium	139000	5000	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁵
Chromium ^a	< 100	100	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁵
Cobalt	< 50	50	ug/l	1	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁵
Copper ^a	< 100	100	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁵
Iron	767	100	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁵
Lead ^a	< 30	30	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁵
Magnesium	423000	5000	ug/l	1	03/07/13	03/08/13 BL	SW846 6010C ¹	SW846 3010A ⁵
Manganese ^a	< 150	150	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁵
Mercury	< 0.20	0.20	ug/l	1	03/12/13	03/12/13 CS	SW846 7470A ³	SW846 7470A ⁶
Nickel ^a	< 100	100	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁵
Potassium	146000	10000	ug/l	1	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁵
Selenium	< 10	10	ug/l	1	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁵
Silver ^a	< 100	100	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁵
Sodium	3970000	100000	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁵
Thallium ^a	< 20	20	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁵
Vanadium ^a	< 500	500	ug/l	10	03/07/13	03/09/13 BL	SW846 6010C ²	SW846 3010A ⁵
Zinc ^a	127	40	ug/l	2	03/07/13	03/13/13 BL	SW846 6010C ⁴	SW846 3010A ⁵

(1) Instrument QC Batch: MA30650

(2) Instrument QC Batch: MA30664

(3) Instrument QC Batch: MA30687

(4) Instrument QC Batch: MA30694

(5) Prep QC Batch: MP70248

(6) Prep QC Batch: MP70400

(a) Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

RL = Reporting Limit

Report of Analysis

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Client Sample ID:	MW-1	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-11	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125344.D	1	03/06/13	CC	n/a	n/a	V1A5393
Run #2	1A125312.D	5	03/06/13	CC	n/a	n/a	V1A5392

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	80.2	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	17.6	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	209 ^a	5.0	1.1	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	ug/l	

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Report of Analysis

Page 2 of 3

Client Sample ID:	MW-1	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-11	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	19.6	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	24.3	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	54.9	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	32.8	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	462 ^a	5.0	2.1	ug/l	
95-47-6	o-Xylene	136	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	598 ^a	5.0	1.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	98%	81-121%
17060-07-0	1,2-Dichloroethane-D4	91%	89%	74-127%
2037-26-5	Toluene-D8	100%	98%	80-122%
460-00-4	4-Bromofluorobenzene	93%	89%	78-116%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
96-37-7	Cyclopentane, methyl-	9.41	34	ug/l	JN
	alkene	10.81	16	ug/l	J
	alkene	12.25	22	ug/l	J
	C3 alkyl benzene	15.97	25	ug/l	J
108-67-8	Benzene, 1,3,5-trimethyl-	16.05	20	ug/l	JN
	C3 alkyl benzene	16.30	28	ug/l	J
95-63-6	Benzene, 1,2,4-trimethyl-	16.47	73	ug/l	JN
496-11-7	Indane	17.20	44	ug/l	JN
	1H-indene-dihydro-methyl	17.79	16	ug/l	J

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Report of Analysis

Page 3 of 3

Client Sample ID:	MW-1	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-11	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
91-20-3	1H-indene-dihydro-methyl	18.43	16	ug/l	J
	1H-indene-dihydro-methyl	18.62	24	ug/l	J
	Naphthalene tetrahydro	18.83	18	ug/l	J
	Naphthalene	19.39	42	ug/l	JN
	Naphthalene methyl	20.61	28	ug/l	J
	Naphthalene methyl	20.85	17	ug/l	J
	Total TIC, Volatile		423	ug/l	J

(a) Result is from Run# 2

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 1 of 3

Client Sample ID:	MW-1	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-11	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P71519.D	1	03/12/13	NAP	03/05/13	OP64089	EP3060
Run #2 ^a	R97928.D	1	03/22/13	AD	03/21/13	OP64613	ER3882

	Initial Volume	Final Volume
Run #1	980 ml	1.0 ml
Run #2	930 ml	1.0 ml

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.1	0.99	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.1	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.1	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	17.0	5.1	1.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND	20	17	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	20	1.0	ug/l	
95-48-7	2-Methylphenol	1.7	2.0	1.1	ug/l	J
	3&4-Methylphenol	4.5	2.0	0.94	ug/l	
88-75-5	2-Nitrophenol	ND	5.1	1.5	ug/l	
100-02-7	4-Nitrophenol	ND	10	5.3	ug/l	
87-86-5	Pentachlorophenol	ND	10	1.4	ug/l	
108-95-2	Phenol	ND	2.0	1.3	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.1	0.96	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.1	1.6	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.1	1.3	ug/l	
83-32-9	Acenaphthene	3.2	1.0	0.27	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.23	ug/l	
98-86-2	Acetophenone	ND	2.0	0.29	ug/l	
120-12-7	Anthracene	0.82	1.0	0.29	ug/l	J
1912-24-9	Atrazine	ND	5.1	0.50	ug/l	
100-52-7	Benzaldehyde	ND	5.1	3.3	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.23	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.23	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.47	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.33	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.52	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.36	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.29	ug/l	
92-52-4	1,1'-Biphenyl	2.8	1.0	0.31	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.30	ug/l	
106-47-8	4-Chloroaniline	ND	5.1	0.54	ug/l	
86-74-8	Carbazole	21.7	1.0	0.37	ug/l	

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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 3

Client Sample ID:	MW-1	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-11	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.70	ug/l	
218-01-9	Chrysene	ND	1.0	0.29	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.31	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	0.46	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.32	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	0.43	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.47	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.1	0.37	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.39	ug/l	
132-64-9	Dibenzofuran	1.4	5.1	0.27	ug/l	J
84-74-2	Di-n-butyl phthalate	ND	2.0	0.57	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.31	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.33	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.29	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	0.60	ug/l	
206-44-0	Fluoranthene	0.93	1.0	0.32	ug/l	J
86-73-7	Fluorene	4.8	1.0	0.28	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.34	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.52	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	7.3	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.56	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.38	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	57.8	1.0	0.39	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	1.1	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	1.7	ug/l	
91-20-3	Naphthalene	73.4	1.0	0.26	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.43	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.31	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.31	ug/l	
85-01-8	Phenanthrene	6.5	1.0	0.30	ug/l	
129-00-0	Pyrene	0.99	1.0	0.28	ug/l	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.31	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	26%	35%	10-83%
4165-62-2	Phenol-d5	19%	22%	10-74%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration 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:	MW-1	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-11	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	94%	87%	24-148%
4165-60-0	Nitrobenzene-d5	54%	51%	38-129%
321-60-8	2-Fluorobiphenyl	40% ^b	45%	42-117%
1718-51-0	Terphenyl-d14	81%	97%	14-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	C3 alkyl benzene	3.86	61	ug/l	J
	C3 alkyl benzene	3.93	31	ug/l	J
	C3 alkyl benzene	4.19	120	ug/l	J
	unknown	4.45	45	ug/l	J
	C3 alkyl benzene	4.49	73	ug/l	J
496-11-7	Indane	4.63	100	ug/l	JN
	C4 alkyl benzene	4.83	51	ug/l	J
	C4 alkyl benzene	5.48	22	ug/l	J
	unknown	5.80	51	ug/l	J
	Naphthalene tetrahydro	5.92	23	ug/l	J
	unknown	6.62	22	ug/l	J
	unknown	6.73	30	ug/l	J
	1H-Inden-1-one,-dihydro-	7.07	62	ug/l	J
	unknown	7.30	29	ug/l	J
90-12-0	Naphthalene, 1-methyl-	7.38	51	ug/l	JN
	unknown	7.41	79	ug/l	J
	unknown	7.72	53	ug/l	J
	unknown	7.77	39	ug/l	J
	unknown	8.55	61	ug/l	J
	unknown	9.27	49	ug/l	J
	unknown	10.02	46	ug/l	J
	unknown	10.33	29	ug/l	J
	unknown	11.93	55	ug/l	J
	unknown	12.04	27	ug/l	J
	Total TIC, Semi-Volatile		1209	ug/l	J

(a) Confirmation run.

(b) Outside of in house control 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: MW-1	Date Sampled: 02/28/13
Lab Sample ID: JB29990-11	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Antimony	< 6.0	6.0	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Arsenic	< 3.0	3.0	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Barium	< 200	200	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Calcium	44700	5000	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Cobalt	< 50	50	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Iron	20300	100	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Lead	< 3.0	3.0	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Magnesium	7610	5000	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Manganese	1070	15	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	03/12/13	03/12/13	CS	SW846 7470A ³ SW846 7470A ⁵
Nickel	< 10	10	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Potassium	< 10000	10000	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ² SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Silver	< 10	10	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Sodium	392000	10000	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ² SW846 3010A ⁴
Thallium	< 2.0	2.0	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Vanadium	< 50	50	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹ SW846 3010A ⁴

(1) Instrument QC Batch: MA30650

(2) Instrument QC Batch: MA30664

(3) Instrument QC Batch: MA30687

(4) Prep QC Batch: MP70248

(5) Prep QC Batch: MP70400

RL = Reporting Limit

Report of Analysis

Page 1 of 3

Client Sample ID:	MW-2	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-12	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125313.D	1	03/06/13	CC	n/a	n/a	V1A5392
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	5.2	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	0.97	2.0	0.19	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	8.0	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	5.3	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	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: MW-2	Date Sampled: 02/28/13
Lab Sample ID: JB29990-12	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	17.9	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	16.2	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	27.0	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	0.87	1.0	0.23	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	1.9	1.0	0.42	ug/l	
95-47-6	o-Xylene	0.25	1.0	0.24	ug/l	J
1330-20-7	Xylene (total)	2.2	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		81-121%
17060-07-0	1,2-Dichloroethane-D4	92%		74-127%
2037-26-5	Toluene-D8	95%		80-122%
460-00-4	4-Bromofluorobenzene	88%		78-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkane	12.09	28	ug/l	J
	alkene	12.25	40	ug/l	J
6863-58-7	Di-sec-butyl ether	13.03	28	ug/l	JN
	C4 alkyl benzene	17.08	38	ug/l	J
496-11-7	Indane	17.20	75	ug/l	JN
	C4 alkyl benzene	17.41	35	ug/l	J
	C4 alkyl benzene	17.59	45	ug/l	J
	1H-indene-dihydro-methyl	17.79	77	ug/l	J
	C4 alkyl benzene	18.03	81	ug/l	J

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Report of Analysis

Page 3 of 3

Client Sample ID:	MW-2	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-12	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	C4 alkyl benzene	18.09	40	ug/l	J
	C4 alkyl benzene	18.45	23	ug/l	J
	C4 alkyl benzene	18.57	23	ug/l	J
	C5 alkyl benzene	18.92	39	ug/l	J
	Naphthalene tetrahydro-methyl	19.11	39	ug/l	J
	Naphthalene methyl	20.85	31	ug/l	J
	Total TIC, Volatile		642	ug/l	J

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Report of Analysis

Page 1 of 3

Client Sample ID:	MW-2	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-12	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P71520.D	1	03/12/13	NAP	03/05/13	OP64089	EP3060
Run #2 ^a	R97929.D	1	03/22/13	AD	03/21/13	OP64613	ER3882

	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2	920 ml	1.0 ml

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.3	1.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.3	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	1.6	ug/l	
51-28-5	2,4-Dinitrophenol	ND	21	17	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	21	1.0	ug/l	
95-48-7	2-Methylphenol	ND	2.1	1.1	ug/l	
	3&4-Methylphenol	ND	2.1	0.97	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	1.6	ug/l	
100-02-7	4-Nitrophenol	ND	11	5.5	ug/l	
87-86-5	Pentachlorophenol	ND	11	1.5	ug/l	
108-95-2	Phenol	ND	2.1	1.3	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.3	0.99	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	1.6	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	1.4	ug/l	
83-32-9	Acenaphthene	2.6	1.1	0.28	ug/l	
208-96-8	Acenaphthylene	ND	1.1	0.24	ug/l	
98-86-2	Acetophenone	ND	2.1	0.30	ug/l	
120-12-7	Anthracene	1.2	1.1	0.30	ug/l	
1912-24-9	Atrazine	ND	5.3	0.51	ug/l	
100-52-7	Benzaldehyde	ND	5.3	3.4	ug/l	
56-55-3	Benzo(a)anthracene	1.2	1.1	0.24	ug/l	
50-32-8	Benzo(a)pyrene	0.81	1.1	0.24	ug/l	J
205-99-2	Benzo(b)fluoranthene	0.70	1.1	0.48	ug/l	J
191-24-2	Benzo(g,h,i)perylene	ND	1.1	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	0.84	1.1	0.54	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	2.1	0.38	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.1	0.30	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.1	0.32	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.1	0.31	ug/l	
106-47-8	4-Chloroaniline	ND	5.3	0.56	ug/l	
86-74-8	Carbazole	ND	1.1	0.38	ug/l	

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 2 of 3

Client Sample ID:	MW-2	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-12	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.1	0.73	ug/l	
218-01-9	Chrysene	1.3	1.1	0.30	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.1	0.32	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	0.48	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.1	0.33	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.1	0.45	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.1	0.49	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	5.3	0.38	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.1	0.40	ug/l	
132-64-9	Dibenzofuran	ND	5.3	0.28	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.1	0.58	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.1	0.32	ug/l	
84-66-2	Diethyl phthalate	ND	2.1	0.34	ug/l	
131-11-3	Dimethyl phthalate	ND	2.1	0.30	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	7.2	2.1	0.62	ug/l	
206-44-0	Fluoranthene	3.2	1.1	0.33	ug/l	
86-73-7	Fluorene	1.2	1.1	0.29	ug/l	
118-74-1	Hexachlorobenzene	ND	1.1	0.36	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.1	0.54	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	11	7.5	ug/l	
67-72-1	Hexachloroethane	ND	2.1	0.58	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.1	0.39	ug/l	
78-59-1	Isophorone	ND	2.1	0.29	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.1	0.40	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	1.2	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	1.3	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	1.7	ug/l	
91-20-3	Naphthalene	ND	1.1	0.27	ug/l	
98-95-3	Nitrobenzene	ND	2.1	0.44	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.1	0.32	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	0.32	ug/l	
85-01-8	Phenanthrene	9.1	1.1	0.31	ug/l	
129-00-0	Pyrene	6.0	1.1	0.28	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.1	0.32	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	14%	28%	10-83%
4165-62-2	Phenol-d5	14%	20%	10-74%

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:	MW-2	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-12	Date Received:	02/28/13
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

ABN TCL List (SOM0 1.1)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
118-79-6	2,4,6-Tribromophenol	85%	51%	24-148%
4165-60-0	Nitrobenzene-d5	32% ^b	44%	38-129%
321-60-8	2-Fluorobiphenyl	39% ^b	45%	42-117%
1718-51-0	Terphenyl-d14	94%	62%	14-132%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	C3 alkyl benzene	4.75	12	ug/l	J
	C3 alkyl benzene	4.93	13	ug/l	J
	C4 alkyl benzene	5.43	13	ug/l	J
	unknown	6.24	12	ug/l	J
	unknown	6.89	13	ug/l	J
90-12-0	Naphthalene, 1-methyl-	7.37	15	ug/l	JN
	Naphthalene dimethyl	8.34	33	ug/l	J
	alkane	8.56	30	ug/l	J
	Naphthalene dimethyl	8.65	17	ug/l	J
	Naphthalene trimethyl	9.23	24	ug/l	J
	Naphthalene trimethyl	9.27	17	ug/l	J
	Naphthalene trimethyl	9.40	31	ug/l	J
	Naphthalene trimethyl	9.54	22	ug/l	J
	unknown	9.82	21	ug/l	J
	unknown	9.87	17	ug/l	J
	alkane	10.05	26	ug/l	J
	unknown	10.20	18	ug/l	J
	alkane	10.48	49	ug/l	J
	unknown	10.66	16	ug/l	J
	unknown	10.75	14	ug/l	J
	unknown	10.86	13	ug/l	J
	unknown	12.28	12	ug/l	J
10544-50-0	Cyclic octaatomic sulfur	12.56	17	ug/l	JN
	unknown	12.61	12	ug/l	J
	unknown	14.37	12	ug/l	J
	Total TIC, Semi-Volatile		479	ug/l	J

(a) Confirmation run.

(b) Outside in house control limits biased low. The results confirmed by re-extraction outside the holding time.

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N = Indicates presumptive evidence of a compound

Report of Analysis

Page 1 of 1

Client Sample ID: MW-2	Date Sampled: 02/28/13
Lab Sample ID: JB29990-12	Date Received: 02/28/13
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By		Method	Prep Method
Aluminum	903	200	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Antimony	< 6.0	6.0	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ²	SW846 3010A ⁵
Arsenic	< 3.0	3.0	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ²	SW846 3010A ⁵
Barium	216	200	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Beryllium	< 1.0	1.0	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Cadmium	< 3.0	3.0	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ²	SW846 3010A ⁵
Calcium	144000	5000	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Chromium	< 10	10	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ²	SW846 3010A ⁵
Cobalt	< 50	50	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ²	SW846 3010A ⁵
Copper	22.7	10	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ²	SW846 3010A ⁵
Iron	5310	100	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Lead ^a	< 30	30	ug/l	10	03/07/13	03/09/13	BL	SW846 6010C ²	SW846 3010A ⁵
Magnesium	368000	5000	ug/l	1	03/07/13	03/08/13	BL	SW846 6010C ¹	SW846 3010A ⁵
Manganese	2000	15	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ²	SW846 3010A ⁵
Mercury	< 0.20	0.20	ug/l	1	03/12/13	03/12/13	CS	SW846 7470A ³	SW846 7470A ⁶
Nickel ^a	< 100	100	ug/l	10	03/07/13	03/09/13	BL	SW846 6010C ²	SW846 3010A ⁵
Potassium	136000	10000	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ²	SW846 3010A ⁵
Selenium	< 10	10	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ²	SW846 3010A ⁵
Silver	< 10	10	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ²	SW846 3010A ⁵
Sodium	3100000	100000	ug/l	10	03/07/13	03/09/13	BL	SW846 6010C ²	SW846 3010A ⁵
Thallium ^a	< 20	20	ug/l	10	03/07/13	03/09/13	BL	SW846 6010C ²	SW846 3010A ⁵
Vanadium	< 50	50	ug/l	1	03/07/13	03/09/13	BL	SW846 6010C ²	SW846 3010A ⁵
Zinc ^a	< 200	200	ug/l	10	03/07/13	03/13/13	BL	SW846 6010C ⁴	SW846 3010A ⁵

(1) Instrument QC Batch: MA30650

(2) Instrument QC Batch: MA30664

(3) Instrument QC Batch: MA30687

(4) Instrument QC Batch: MA30694

(5) Prep QC Batch: MP70248

(6) Prep QC Batch: MP70400

(a) Elevated detection limit due to dilution required for matrix interference (indicated by failing internal standard on original analysis).

RL = Reporting Limit

Report of Analysis

Page 1 of 2

Client Sample ID:	TRIP BLANK COOLER 1	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-13	Date Received:	02/28/13
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125305.D	1	03/06/13	CC	n/a	n/a	V1A5392
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	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 COOLER 1	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-13	Date Received:	02/28/13
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		81-121%
17060-07-0	1,2-Dichloroethane-D4	88%		74-127%
2037-26-5	Toluene-D8	97%		80-122%
460-00-4	4-Bromofluorobenzene	87%		78-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	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 1 of 2

Client Sample ID:	TRIP BLANK COOLER 2	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-14	Date Received:	02/28/13
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125306.D	1	03/06/13	CC	n/a	n/a	V1A5392
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	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 COOLER 2	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-14	Date Received:	02/28/13
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		81-121%
17060-07-0	1,2-Dichloroethane-D4	89%		74-127%
2037-26-5	Toluene-D8	97%		80-122%
460-00-4	4-Bromofluorobenzene	87%		78-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	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 1 of 2

Client Sample ID:	TRIP BLANK COOLER 3	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-15	Date Received:	02/28/13
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1A125307.D	1	03/06/13	CC	n/a	n/a	V1A5392
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.3	ug/l	
71-43-2	Benzene	ND	1.0	0.24	ug/l	
74-97-5	Bromochloromethane	ND	5.0	0.30	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.21	ug/l	
75-25-2	Bromoform	ND	4.0	0.21	ug/l	
74-83-9	Bromomethane	ND	2.0	0.22	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.19	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.22	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.23	ug/l	
75-00-3	Chloroethane	ND	1.0	0.26	ug/l	
67-66-3	Chloroform	ND	1.0	0.20	ug/l	
74-87-3	Chloromethane	ND	1.0	0.21	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.35	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	0.54	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.14	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.20	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.22	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.30	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.27	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.11	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.26	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.19	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.19	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.21	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.48	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
123-91-1	1,4-Dioxane	ND	130	75	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.23	ug/l	
76-13-1	Freon 113	ND	5.0	0.53	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 COOLER 3	Date Sampled:	02/28/13
Lab Sample ID:	JB29990-15	Date Received:	02/28/13
Matrix:	AQ - Trip Blank Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Echo Bay Redevelopment - City Yard, 224 East Main Street, New Rochelle, NY		

VOA TCL List (SOM0 1.1)

CAS No.	Compound	Result	RL	MDL	Units	Q
591-78-6	2-Hexanone	ND	5.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.45	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.2	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.26	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.16	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	0.83	ug/l	
75-09-2	Methylene chloride	ND	2.0	0.70	ug/l	
100-42-5	Styrene	ND	5.0	0.21	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.21	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.28	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	0.28	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.20	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.29	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.22	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	0.27	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.21	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.24	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.24	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		81-121%
17060-07-0	1,2-Dichloroethane-D4	89%		74-127%
2037-26-5	Toluene-D8	97%		80-122%
460-00-4	4-Bromofluorobenzene	87%		78-116%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	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

Misc. Forms

5

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

6w
FB
wfb

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

PAGE 1 OF 2

Client / Reporting Information		Project Information		Requested Analysis (see TEST CODE sheet)		Matrix Codes											
Company Name: BOV Associates Street Address: 209 Shafter St City/State/Zip: Islandia NY Project Contact: Bob Kovacs Phone #: 10312322600 Sampler(s) Name(s): A Hoffmann, C Prete		Project Name: Echo Bay Redevelopment Street: 224 Main St City/State: New Rochelle NY Project #: Client Purchase Order #: Project Manager: Attention:		Requested Analysis: AB 8270 TCL II + Matrix: MTAL Test Code: Pest/PCB Other: V8260 TCL II +		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											
Accutest Sample #	Field ID / Point of Collection	MECH/OI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NOH	HNO3	H2SO4	None	DI Water	DI Water	MECH	ENCORE	LAB USE ONLY
1	MW-5		2/27/13	0935	AH	GW	6	3	1	2							D44 A32 811
2	RX-2		2/27/13	0945	CP	GW	6	3	1	2							
3	SP-2		2/27/13	1050	AH	GW	6	3	1	2							
4	OB-1		2/27/13	1055	CP	GW	6	3	1	2							
5	MW-7		2/27/13	1210	CP/AH	GW	8	3	1	4							
6	FB 022713		2/27/13	1300	AH	FB	8	2	1	4							
7	RX-1		2/27/13	1350	CP	GW	8	3	1	4							
8	DUP 022713		2/27/13	1400	CP	GW	8	3	1	4							
9	MW-8		2/27/13	1530	CP/AH	GW	8	3	1	4							
10	MW-4		2/28/13	0835	AH	GW	6	3	1	2							
11	MW-1		2/28/13	0935	AH	GW	6	3	1	2							
12	MW-2		2/28/13	1020	AH	GW	6	3	1	2							
Turnaround Time (Business days)		Approved By (Accutest PM) / Date:		Data Deliverable Information		Comments / Special Instructions											
☒ Std. 10 Business Days ☐ 5 Day RUSH ☐ 3 Day EMERGENCY ☐ 2 Day EMERGENCY ☐ 1 Day EMERGENCY ☐ other		☐ 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													
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: <i>[Signature]</i>		Date/Time: 2/28/13 1130		Received By: <i>[Signature]</i>		Date/Time: 2/28/13 1515		Received By: <i>[Signature]</i>									
Relinquished by: 3		Date/Time:		Received By: 3		Date/Time:		Received By: 4									
Relinquished by: 5		Date/Time:		Received By: 5		Date/Time:		Received By: 4									
				Custody Seal # 930932, 934		☒ Intact ☐ Not Intact		Preserved where applicable		On Ice		Cooler Temp. 3, 3, 4, 13					

JB29990: Chain of Custody

Page 1 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB29990 **Client:** _____ **Project:** _____
Date / Time Received: 2/28/2013 **Delivery Method:** _____ **Airbill #'s:** _____
Cooler Temps (Initial/Adjusted): #1: (3/3); #2: (3/3); #3: (4/4); 0

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: <u>Bar Therm</u>
3. Cooler media: <u>Ice (Bag)</u>
4. No. Coolers: <u>3</u>

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: <u>Intact</u>

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

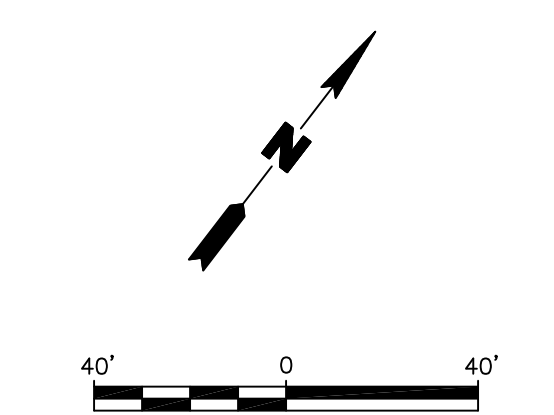
**Phase II Environmental Site Assessment (Phase II ESA)
224 East Main Street, New Rochelle, New York**

PLATES

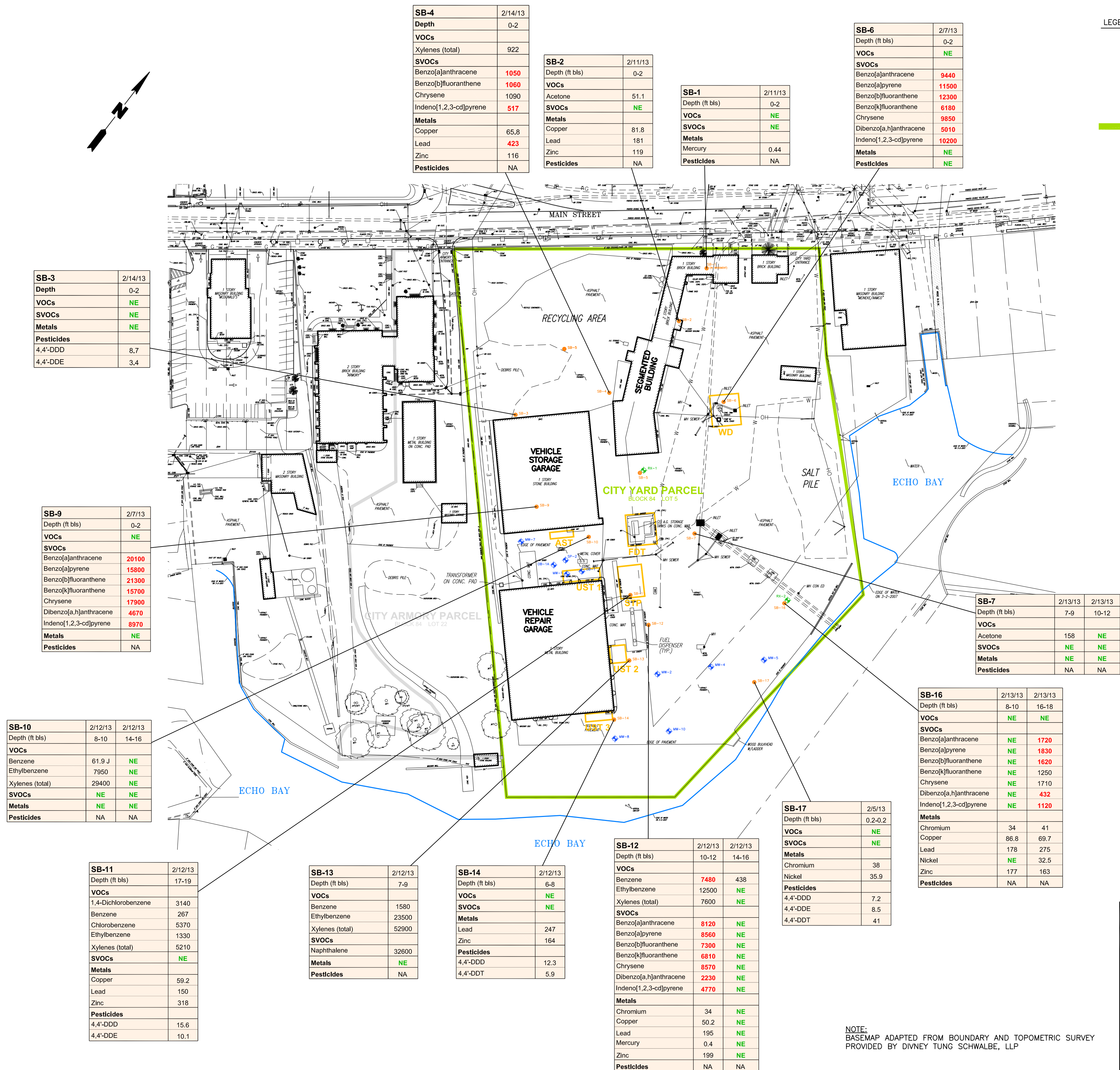


- LEGEND**
- SB-17 LOCATION AND DESIGNATION OF SOIL BORING
 - RX-2 LOCATION AND DESIGNATION OF MONITORING WELL INSTALLED BY ROUX ASSOCIATES, INC.
 - MW-5 LOCATION AND DESIGNATION OF PREVIOUSLY INSTALLED MONITORING WELL
 - APPROXIMATE PROJECT LIMITS
 - AST ABOVEGROUND STORAGE TANK
 - UST 1 LOCATION OF HISTORIC HEATING OIL UST, TWO GASOLINE USTs AND ONE DIESEL UST (ALL REMOVED)
 - UST 2 LOCATION OF FOUR HISTORIC MOTOR OIL USTs (REMOVED)
 - UST 3 LOCATION OF FOUR HISTORIC WASTE OIL USTs (REMOVED)
 - STP GENERAL AREA OF HISTORIC SEWAGE TREATMENT AND DISPOSAL PLANT WITH TRANSFORMERS AREA
 - WD STREET SWEEPER WASHDOWN STATION AND LIQUID CALCIUM CHLORIDE AST, HISTORIC KEROSENE STORAGE TANK IN THIS AREA
 - FDT GASOLINE AST AND DIESEL AST FOR FUEL DISPENSING

NOTE: BASEMAP ADAPTED FROM BOUNDARY AND TOPOMETRIC SURVEY PROVIDED BY DIVNEY TUNG SCHWALBE, LLP



Title: SITE PLAN			
ECHO BAY CITY YARD PARCEL ECHO BAY WATERFRONT REDEVELOPMENT			
Prepared For: FOREST CITY RESIDENTIAL GROUP			
ROUX ASSOCIATES, INC. Environmental Consulting & Management	Compiled by: R.S.K.	Date: 21MAY13	PLATE
	Prepared by: B.H.C.	Scale: AS SHOWN	
	Project Mgr: R.S.K.	Project: 0924.0031Y002	
	File: 0924.0031Y108.01.DWG		



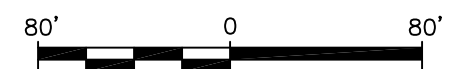
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SAMPLE I.D.	SB-1	2/11/13	SAMPLE DATE
	Depth (ft bls)	0-2	SAMPLE DEPTH
	VOCs	NE	
	SVOCs	NE	
ANALYTES	Metals		
	Mercury	0.44	CONCENTRATION (IN ug/kg)
	Pesticides	NA	

Parameter (Concentrations in µg/kg)	Standards* (µg/kg)	Standards** (µg/kg)
VOCs		
1,4-Dichlorobenzene	1800	13000
Acetone	50	100000
Benzene	60	4800
Chlorobenzene	1100	100000
Ethylbenzene	1000	41000
Xylenes (total)	260	100000
SVOCs		
Benzo[a]anthracene	1000	1000
Benzo[a]pyrene	1000	1000
Benzo[b]fluoranthene	1000	1000
Benzo[k]fluoranthene	800	3900
Chrysene	1000	3900
Dibenzo[a,h]anthracene	330	330
Indeno[1,2,3-cd]pyrene	500	500
Naphthalene	12000	100000
Metals		
Chromium	30	180
Copper	50	270
Lead	63	400
Mercury	0	1
Nickel	30	310
Zinc	109	10000
Pesticides		
4,4'-DDD	3	13000
4,4'-DDE	3	8900
4,4'-DDT	3.3	7900

Concentrations in µg/kg
Micrograms per kilogram
* NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives
** NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives
NYSDEC New York State Department of Environmental Conservation
J Estimated value
DUP Duplicate Sample
VOCs Volatile Organic Compounds
SVOCs Semivolatile Organic Compounds
NA Not analyzed
NE No exceedance
ND No detection
Red data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives



Title:

SOIL SAMPLE ANALYTICAL EXCEEDANCES

CITY YARD PARCEL
ECHO BAY WATERFRONT REDEVELOPMENT

Prepared For:

FOREST CITY RESIDENTIAL GROUP

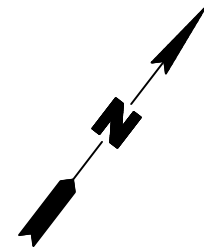
ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting
& Management

Compiled by: R.S.K.	Date: 21MAY13	PLATE
Prepared by: B.H.C.	Scale: AS SHOWN	
Project Mgr: R.S.K.	Project: 0924.0031Y002	
File: 0924.0031Y108.01.DWG		

2

NOTE:
BASEMAP ADAPTED FROM BOUNDARY AND TOPOMETRIC SURVEY
PROVIDED BY DIVNEY TUNG SCHWALBE, LLP

V:\CAD\PROJECTS\0924\0031Y\108_0924.0031Y108.01.DWG



SB-3	2/15/13
Analyte	
VOCs	NE
SVOCs	NE
Metals, Total	
Iron	2200
Manganese	672
Sodium	512000
Metals, Filtered	
Iron	1380
Manganese	674
Sodium	509000

SP-2	2/27/13
Analyte	
VOCs	NE
SVOCs	NE
Metals	
Iron	332
Manganese	1250
Sodium	232000

RX-1	2/27/13
Analyte	
VOCs	NE
SVOCs	NE
Metals	
Cadmium	8.4
Iron	5530
Lead	86.8
Manganese	7170
Sodium	1290000

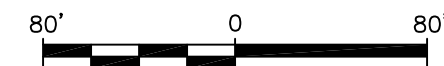
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SAMPLE I.D.	MW-5	2/27/13	SAMPLE DATE
Analyte			
VOCs	NE		
SVOCs	NE		
Metals			
Iron	522		CONCENTRATION (IN ug/L)
Sodium	6810000		

Parameter (Concentrations in ug/L)	Standards* (ug/L)
VOCs	
Benzene	1
Ethylbenzene	5
Isopropylbenzene	5
m+p-Xylene	5
MTBE	10
o-Xylene	5
Toluene	5
Xylenes (total)	5
SVOCs	
Benzo[a]anthracene	0.002
Benzo[a]pyrene	0
Benzo[b]fluoranthene	0.002
Benzo[k]fluoranthene	0.002
Bis(2-ethylhexyl) phthalate	5
Chrysene	0.002
Naphthalene	10
Metals	
Cadmium	5
Iron	300
Lead	25
Manganese	300
Sodium	20000

Concentrations in ug/L
ug/L Micrograms per liter
* NYSDEC AWQSGVs
NYSDEC New York State Department of Environmental Conservation
AWQSGVs Ambient Water-Quality Standards and Guidance Values
- Not detected above NYSDEC AWQSGV
B Found in laboratory blank
E Exceeds calibration limit
D Dilution
J Estimated value
DUP Duplicate Sample
VOCs Volatile Organic Compounds
SVOCs Semivolatile Organic Compounds
NE No exceedances



Title: GROUNDWATER SAMPLE ANALYTICAL EXCEEDANCES CITY YARD PARCEL ECHO BAY WATERFRONT REDEVELOPMENT		
Prepared For: FOREST CITY RESIDENTIAL GROUP		
ROUX ROUX ASSOCIATES, INC. Environmental Consulting & Management	Compiled by: R.S.K. Date: 21MAY13 Prepared by: B.H.C. Scale: AS SHOWN Project Mgr: R.S.K. Project: 0924.0031Y002 File: 0924.0031Y108.01.DWG	PLATE 3

NOTE:
BASEMAP ADAPTED FROM BOUNDARY AND TOPOMETRIC SURVEY
PROVIDED BY DIVNEY TUNG SCHWALBE, LLP

MW-7	2/27/13
Analyte	
VOCs	NE
SVOCs	NE
Metals	
Iron	3590
Sodium	114000

RX-2	2/27/13
Analyte	
VOCs	NE
SVOCs	NE
Metals	
Iron	1350
Lead	42.6
Sodium	7460000

MW-5	2/27/13
Analyte	
VOCs	NE
SVOCs	NE
Metals	
Iron	522
Sodium	6810000

MW-4	2/28/13
Analyte	
VOCs	NE
SVOCs	NE
Metals	
Iron	767
Sodium	3970000

MW-2	2/28/13
Analyte	
VOCs	
Benzene	5.2
Ethylbenzene	5.3
Isopropylbenzene	17.9
MTBE	27
SVOCs	
Benzo[a]anthracene	1.2
Benzo[a]pyrene	0.81 J
Benzo[b]fluoranthene	0.7 J
Benzo[k]fluoranthene	0.84 J
Bis(2-ethylhexyl) phthalate	7.2
Chrysene	1.3
Metals	
Iron	5310
Manganese	2000
Sodium	3100000

MW-8	2/27/13
Analyte	
VOCs	NE
SVOCs	NE
Metals	
Sodium	5080000

OB-1	2/27/13
Analyte	
VOCs	
Benzene	2.1
Xylenes (total)	7.7
SVOCs	NE
Metals	
Iron	2260
Manganese	3700
Sodium	510000

MW-1	2/28/13
Analyte	
VOCs	
Benzene	80.2
Ethylbenzene	209
Isopropylbenzene	19.6
m+p-Xylene	462
MTBE	54.9
o-Xylene	136
Toluene	32.8
Xylenes (total)	598
SVOCs	
Naphthalene	73.4
Metals	
Iron	20300
Manganese	1070
Sodium	392000