

January 8, 2016

REMEDIAL INVESTIGATION REPORT

**Kristal Auto Mall
5200 Kings Highway
Brooklyn, New York 10021**

Prepared for

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LIST OF ACRONYMS

AOC	Area of Concern
ASP	Analytical Services Protocol
AST	Aboveground Storage Tank
AGWQS	Ambient Groundwater Quality Standards
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
BTEX	Benzene/toluene/ethylbenzene/xylene
COC	Contaminant of Concern
DER-10	Department of Environmental Remediation Technical Guidance for Site Investigation and Remediation
DCE	1,2 Dichloroethene
EA	Exposure Assessment
FRDS	Federal Reporting Data System
FSP	Field Sampling Plan
HASP	Health and Safety Plan
IRM	Interim Remedial Measure
MTBE	Methyl tert butyl ether
NTUs	Nephelometric Turbidity Units
NYS	New York State
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCBs	Polychlorinated Biphenyls
PCE	Tetrachloroethene
PID	Photo-ionization Detector
Ppb	Parts per billion
Ppm	Parts per million
QA/QC	Quality Assurance/Quality Control

QAPP Quality Assurance Project Plan
RIWP Remedial Investigation Work Plan
RAWP Remedial Action Work Plan
RC Restricted Commercial Soil Cleanup Objectives
RI Remedial Investigation
RIR Remedial Investigation Report
SCOs Soil Cleanup Objectives
SVOC Semivolatile Organic Compound
TAL Target Analyte List
TCE Trichloroethene
TCL Target Compound List
TCLP Toxicity Characteristic Leaching Procedure
USEPA United States Environmental Protection Agency
USGS United States Geological Survey
UST Underground Storage Tank
UU Unrestricted Use Soil Cleanup Objectives
VOC Volatile Organic Compound

1.0 CERTIFICATION

I, Craig A. Werle, P.G., certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).



Signature

January 8, 2016

Date

2.0 INTRODUCTION

Roux Associates, Inc. (Roux Associates), on behalf of Irma C. Pollack, LLC (Participant), has prepared this Remedial Investigation Report (RIR) to present the results of the Remedial Investigation (RI) completed at the Kristal Auto Mall (KAM) located at 5200 Kings Highway, Brooklyn, New York (Site) (Figure 1).

2.1 Purpose and Objectives

The purpose of this RIR is to provide a summary of the recent RI conducted at the Site in February and March 2014, September 2014 and February and March 2015. All remedial activities were conducted in accordance with the NYSDEC-approved work plans:

- Remedial Investigation Work Plan (RIWP), dated October 10, 2013;
- Supplemental RIWP, dated June 2, 2014; and
- Supplemental RIWP – Phase III, dated February 26, 2015.

The objectives of the RI were to determine the nature and extent of contamination at the Site, characterize environmental media at the Site, qualitatively assess the potential exposure of receptors to Site contaminants, and generate sufficient data necessary to support the development of a Remedial Action Work Plan (RAWP).

The site was accepted into the BCP and assigned Site Number C224140. The Brownfield Cleanup Agreement (BCA) was signed on May 1, 2012.

2.2 RIR Document Organization

This RIR contains a certification (Section 1), an introduction (Section 2) describing a brief overview of the recent RI activities at the Site, a background section (Section 3) describing the Site, its history, and results of previous environmental investigations; a section describing the details and results of the RI (Section 4); and Sections 5 and 6 that describe the Qualitative Exposure Assessment and the recommendations for the Site. An updated project schedule is discussed in Section 7. Additionally, tables are provided that summarize all environmental quality data collected during the RI. Finally, maps are also provided to illustrate site conditions, and environmental data collected during the RI.

3.0 BACKGROUND

This section provides pertinent background information, including a description of the Site and its setting, the known history of the Site, and the results of preliminary environmental investigation work conducted at the Site.

3.1 Site Description

The Site is located at 5200 Kings Highway, in Kings County, New York and is identified as Section 3, Block 7969, Lot 9 on the New York City Tax Map. A United States Geological Survey (USGS) topographical quadrangle map of Brooklyn, New York (Figure 1) shows the Site location. The Site is approximately 2.28 acres and is bounded by a plastic manufacturing company, Favorite Plastics Corp., to the north, a car dealership to the south, Utica Avenue to the west and Kings Highway to the east. A single slab-on-grade building is present on the Site, which includes both one story and one and a half story sections. The 53,000 square foot building houses offices, an automobile showroom, auto repair facilities, paint shop, car wash, and employee locker rooms. The remainder of the Site consists of paved parking areas and vehicle storage.

3.1.1 Property Operations

The Site property is currently occupied by Kristal Auto Mall Corp. f/k/a S&S Cadillac Motors Corp. KAM is a retail General Motors dealership whose operations include a new car showroom, an auto service area with approximately 24 service bays, parts storage, paint booth/body shop, vehicle storage and administrative offices.

The Site is active and has been in use since its original construction in 1959. From 1959 to 1968, the Site was occupied by a bowling alley. In 1968, new occupants expanded the existing building began operation of a retail automobile dealership including sales and auto service. The Site continues to be operated as an auto dealership and repair shop.

3.2 Site History

Prior to 1959, the Site included several single family homes and vacant lots. As described above, the original building at the Site was originally constructed in 1959, and operated as a bowling alley until 1968. In 1968, an addition was constructed on the eastern side of the building,

bringing the building to its current configuration. Since that time, the Site has been operated as an auto dealership and repair shop.

3.3 Site Environmental Conditions

Previous investigations were performed at the Site by Testwell Laboratories, Inc. (Testwell) in 2007. These investigations documented the existence of several Areas of Concern (AOCs) including aboveground and underground storage tanks that were historically operated at the Site. An extensive trench drain system was installed during the bowling alley conversion. A total of 21 hydraulic lifts were also installed at this time and used in the day-to-day operation of the repair shop. These AOCs are discussed in detail below.

3.4 Areas of Concern

Above Ground Storage Tanks (ASTs)

Historically, the Kristal Auto Mall operated two ASTs at the Site as shown on Figure 2. The ASTs included one 550-gallon waste oil AST on the northeastern side of the building and one 550-gallon fuel oil AST on the southwest side of the building. Both ASTs were operated on impermeable surfaces and there is no indication releases have occurred from either AST. Both of these ASTs are out of service, and are not considered to be potential AOCs.

Underground Storage Tanks (USTs)

A total of three USTs have historically been present at the site as shown on Figure 2. The tanks included two 550-gallon USTs in the eastern corner of the building (hydraulic fluid and motor oil) and one 550-gallon UST outside to the east of the building (waste oil). In July 2011, Energy Fueling Systems, Inc. was contracted to clean the USTs at the Site and close them in place. All three USTs were registered with NYSDEC (PBS #2-610629), and were closed in place on July 7, 2011. Documentation of the registration and closure of the USTs was provided in the RIWP.

Soil samples collected adjacent to the three USTs during previous environmental investigations indicated that releases of various petroleum hydrocarbons have occurred. All three former USTs were considered to be AOCs for the purpose of the RI. Based on the analytical data from Testwell's first round of field work, a spill was reported to NYSDEC and spill number 0701186

was assigned on April 27, 2007. The spill was reported due to hydrocarbon and solvent contamination that was found to have impacted both soil and groundwater.

During the RI, Roux Associates advanced three soil borings to confirm and delineate the results obtained by Testwell in 2007. Two monitoring wells (a shallow and deep pair) were also installed to evaluate groundwater quality in the vicinity of this AOC.

Trench drains

In 1968, when the building was converted from a bowling alley to an auto dealership, a series of trench drains was installed in the service area and the body shop in the rear of the building. A review of the original architect's plans shows the trench drains are simple concrete troughs inset into the floor and covered with a steel grate. The trench drains on the western side of the building appear to be pitched so they drain in two locations on the south side of the building as shown on Figure 2. The trench drains in the center and eastern side of the building are pitched so they drained to a former underground storage tank (UST) as described below. The drains are believed to be the primary AOC at the site.

Previous investigations have indicated that the trench drains in the center and eastern portions of the service area have been the apparent source of petroleum and chlorinated solvent releases based on soil and groundwater sampling conducted around the drains. Available documentation does not indicate that any of the drains have been sampled directly. During Roux Associates' Site inspection, the drains in the Auto Repair Shop were found to be dry and clear of debris. Historically, the trench drains in the Auto Repair Shop area received fluids generated during auto repair and service activities. These fluids were historically collected in a UST formerly located on the eastern side of the building. This UST has since been closed in place as described above. During the RI, Roux Associates advanced seven soil borings and installed eleven monitoring wells to evaluate the potential impacts from the eastern trench drains.

The drains on the western side of the Site near Utica Avenue are currently used to collect wash water from the Auto Wash. During Roux's inspection, the drains were wet from car wash activities, but clear of debris. During the RI, Roux Associates advanced three soil borings and installed one monitoring well to evaluate the potential impacts from the western trench drains.

Hydraulic lifts

Building plans showing the redevelopment of the site into an auto dealership in 1968 included the installation details for 21 hydraulic lifts. The lifts include a concrete lined pit that houses the hydraulic oil storage unit and the lift machinery. Most of the pits are accessible and open for inspection. The lifts were taken out of service in the past and are no longer used although they remain in place.

During the RI, Roux Associates conducted visual inspections of the lift pits and hydraulic oil storage units to determine whether the lifts are AOCs and warranted adjacent sampling. Seven of the 21 lift pits were found to be dry and clear of debris. Three of the lift pits (# 1, 2, and 3, as shown on Figure 2) contained a measurable amount of petroleum hydrocarbon that was analytically identified as motor oil not hydraulic fluid. A total of six lift pits (# 4, 5, 7, 9, 15, and 16) were found to contain a minimal amount (less than one inch thickness) of sludge and/or moist debris, but no measurable product. Four of the lifts were inaccessible for the following reasons: two were sealed shut (# 19, and 20), one was beneath equipment (# 6) and one was beneath shelving and storage (# 13). One lift was unable to be located (#14, inside the paint booth).

Based on the inspections, the hydraulic lifts appear to be intact overall and do not represent a concern. It is assumed that the free phase motor oil found in the nearby wells seeped into the lift pits based on the analytical typing of the product (motor oil versus hydraulic fluid), and the depth of the lift pits.

Site-Wide

Groundwater Sampling

A total of three monitoring wells (MW-1 through MW-3) were installed at the Site as part of Testwell's previous investigations. These wells, however, were only installed to determine groundwater flow direction and the wells were never sampled. During the RI, Roux Associates installed a total of 19 additional monitoring wells (MW-4S, MW-4D, MW-5 through MW-21) and sampled all monitoring wells that didn't contain free phase hydrocarbons to evaluate groundwater conditions in accordance with the approved RIWP and Supplemental RIWPs.

Soil Vapor Sampling

Soil vapor impacts were not evaluated as part of Testwell's previous investigations. During the RI, Roux Associates collected eleven sub-slab and one soil vapor sample along with one indoor air sample in the office area, two indoor air samples in the auto repair shop and two outdoor ambient air samples.

4.0 REMEDIAL INVESTIGATION – SAMPLING RESULTS

4.1 Summary of RI Scope and Objectives

Previous investigations conducted by Testwell in 2007 documented the presence of the following areas of contamination:

- PCE, DCE, and petroleum hydrocarbons in groundwater grab samples above AGWQS; and
- TCE, PCE, DCE, and petroleum hydrocarbons in soil above Unrestricted Use (UU) and Protection of Groundwater (PGW) Soil Cleanup Objectives (SCOs) under the central and eastern side of the Repair Shop; Three SVOCs exceed Restricted Commercial (RC) SCOs in one sample in the same area.

Based on the previous environmental investigations and known data gaps, the following objectives were identified for the RIWP:

- Confirm previous data collected by Testwell;
- Delineate the horizontal and vertical extent of previously identified soil contamination;
- Evaluate soil quality in uninvestigated areas at the Site;
- Complete the installation of a comprehensive groundwater monitoring well network to provide coverage for all potential AOCs and accurately determine the direction of groundwater flow;
- Delineate the three dimensional extent of previously documented VOC impacts to groundwater;
- Evaluate potential soil vapor impacts; and
- Evaluate the potential for offsite soil vapor and groundwater migration.

Environmental data collected during the RI was used to qualitatively assess the potential exposure of receptors to Site contaminants, and develop the information necessary to support the development of a RAWP.

The scope of each component of the RI is discussed in the following subsections along with detailed field sampling procedures. The sample locations are shown on Figure 2, and sample results are summarized in Tables 2 through 7, and on Plates 1, 2 and 3.

4.2 Site Reconnaissance

A careful inspection of the building was conducted on October 24, 2011 to evaluate and identify all potential areas of environmental concern. The inspection determined the location of one waste oil AST, one former fuel oil AST, three former USTs (closed-in-place), a manifolded concrete trench drain system throughout the facility, a former sump, and a total of 21 former hydraulic lifts. No additional AOCs were identified during the implementation of the RI field work.

4.3 Soil Investigation

A summary of the soil sampling program conducted during the RI is described in the following subsections.

4.3.1 Soil Sample Methodology

Soil samples were collected using a track-mounted direct-push Geoprobe® 7720DT. Geoprobe® samples were collected continuously in five foot increments using a 2-inch diameter macrocore sampler. Soil samples were collected for laboratory analysis from two intervals within each borehole for vertical delineation of previously detected contaminants. Soil borings extended to a minimum of 10 feet below the water table, with the exception of MW-4D, which extended to 40 feet below the concrete slab.

During installation of the soil borings, the lithology was recorded and soil was field screened for VOCs using a PID, every two and a half feet. The soil from each five-foot interval was observed for lithology and evidence of contamination (e.g., staining, odors, and/or visible free product) and placed immediately thereafter into large Zip-loc™ bags for recording headspace. After a minimum of 15 minutes for equilibration with the headspace in the Zip-loc™ bag, each sample was screened for organic vapors using a PID. Samples for VOC analysis were placed in a laboratory-supplied jar prior to screening, due to the potential for loss of VOCs through volatilization. In soil borings RSB-1, RSB-3, RSB-4, RSB-5, RSB-6/MW-5, RSB-7, RSB-9, RSB-10, RSB-11, RSB-12/MW-7, RSB-13/MW-6, and MW-4D, two soil samples were collected: one from the two-foot interval immediately above the water table and one from the terminal depth of the boring. The samples were placed in the laboratory-supplied containers and

shipped to the laboratory under chain of custody procedures in accordance with Roux Associates standard operating procedures.

In soil borings RSB-2, RSB-8 and RSB-14/MW-4S, soil samples were collected from four intervals; the 1-3 foot interval, 5-7 foot interval, the two-foot interval immediately above the water table, and the terminal depth of the boring to confirm and vertically delineate previously identified soil contamination.

In soil borings RSB/MW-14, RSB/MW-15, RSB/MW-16 and RSB/MW-17, soil samples were collected from three intervals; a shallow interval (1-3 or 2-4 foot interval), the two-foot interval immediately above the water table, and the terminal depth of the boring to confirm and horizontally delineate previously identified soil contamination in RSB-2.

Soil samples were packed into laboratory supplied containers and stored on ice. Soil samples were analyzed by York Analytical Laboratories, Inc. (York), an Environmental Laboratory Approval Program (ELAP) certified laboratory (Lab ID# 10854) located in Stratford, Connecticut. Selected samples were analyzed for Target Compound List (TCL) VOCs and TCL SVOCs per the NYSDEC-approved RIWP.

Analytical data was provided in NYSDEC ASP Category B deliverable packages with case narratives describing how closely the data met the quality objectives as described by the NYSDEC ASP. A data usability summary report (DUSR) is provided in Appendix A. The DUSR was prepared by an independent party and in accordance with Appendix 2B, Section 2.0 of DER-10 for all samples generated during the RI.

Analytical results for soil samples were compared to NYSDEC UU, PGW, and RC SCOs for the Protection of Public Health presented in 6 NYCRR Subpart 375-6. These SCOs were selected based on the future use of the Site, as well as the anticipated BCP cleanup Tracks for soil remediation that are proposed for the Site. The locations of the soil samples are shown on Plate 1, along with their respective summarized soil sample results. Exceedances of the UU SCOs are shown in black and exceedances of the RC SCOs are shown in yellow. Exceedances of the PGW SCOs are shown in blue when the detection occurs below the water table, and the compound is

also detected in groundwater samples. Complete soil sample results are summarized in Tables 2 and 3. Soil boring logs are provided in Appendix B.

4.3.2 Soil Sample Results

A total of 18 soil borings were advanced at the locations shown in Figure 2, and a total of 49 soil samples were collected for laboratory analysis. Soil sample results are discussed in the following subsections as they relate to AOCs, and summarized on Tables 2 and 3, and Plate 1. For reference, the historical soil sample results are summarized on Plate 2.

4.3.2.1 Underground Storage Tanks

Three soil borings (RSB-2, RSB-8, and RSB-14) were advanced in the vicinity of the former UST area located on the northeastern side of the repair shop. These soil borings were intended to confirm and delineate previous sample results obtained by Testwell in 2007. A total of four soil samples were collected from each soil boring.

VOCs

In general, though there were several detections of VOCs (a total of 10 compounds) that exceeded the UU and PGW SCOs (SCOs are the same for both criteria for the VOCs discussed below, with the exception of total xylenes), none of these exceeded the RC SCOs. As shown on Tables 2 and 4, the compounds acetone and methylene chloride were detected in every soil sample, and the majority of field blanks, and trip blanks. Methylene chloride sample results were rejected by the data validator in all of the soil samples, and acetone sample results were rejected in all but two of the samples (RSB-8 in the 5-7 foot and 8.5-10.5 foot intervals) for this reason. These compounds are considered to be common lab contaminants, and are not contaminants of concern at the Site; therefore, these results will not be discussed in further detail. The majority of the remainder of the VOC detections were petroleum hydrocarbons, with the exception of three chlorinated hydrocarbons [tetrachloroethene (PCE), trichloroethene (TCE), and cis-1,2,-dichloroethene (1,2 DCE)]. The results for the detected compounds are summarized below, and on Table 2.

- 2-butanone (MEK) was detected in four samples, ranging in concentration from 4.4 (estimated) to 1800 µg/kg. MEK exceeded the UU and PWG SCO (120 µg/kg) in one sample, RSB-14/4D__10-11 at a concentration of 1800 µg/kg. This detection does not exceed the RC SCO of 500,000 µg/kg.

- Benzene was detected in three samples, ranging in concentration from 4.4 µg/kg (estimated) to 1200 µg/kg. Benzene exceeded the UU and PGW SCO (60 µg/kg) in two samples, RSB-2_11-13 and RSB-14_10-11 at concentrations of 470 µg/kg (estimated) and 1,200 µg/kg, respectively. Neither of these detections exceeded the RC SCO of 44,000 µg/kg.
- Ethylbenzene was detected in four samples, ranging in concentration from 3 µg/kg (estimated) to 12,000 µg/kg. Ethylbenzene exceeded the UU and PWG SCO (1,000 µg/kg) in two samples, at concentrations as follows: RSB-2_11-13 (12,000 µg/kg), and RSB-14/14D_10-11 (6,700 µg/kg). Neither of these detections exceeded the RC SCO of 390,000 µg/kg.
- MTBE was detected in two samples, ranging in concentration from 420 µg/kg (estimated) to 2,000 µg/kg. MTBE exceeded the UU and PWG SCO (930 µg/kg) in one sample, RSB-2_11-13 at a concentration of 2,000 µg/kg. This detection does not exceed the RC SCO of 500,000 µg/kg.
- Toluene was detected in 10 samples, ranging in concentration from 5.1 µg/kg (estimated) to 340,000 µg/kg. Toluene exceeded the UU and PGW SCO (700 µg/kg) in two samples, at concentrations as follows: RSB-2_11-13 (340,000 µg/kg), and RSB-14/4D_10-11 (30,000 µg/kg). Neither of these detections exceeded the RC SCO of 500,000 µg/kg.
- Xylenes (total) were detected in eight samples, ranging in concentration from 7.5 µg/kg (estimated) to 51,000 µg/kg. Xylene exceeded the UU SCO (260 µg/kg) in two samples, at concentrations as follows: RSB-2_11-13 (51,000 µg/kg), and RSB-14/4D_10-11 (32,000 µg/kg). Neither of these detections exceeded the PGW SCO (1,600 µg/kg) or the RC SCO (500,000 µg/kg).
- 1,2-DCE was detected in three soil samples, ranging in concentration from 3.2 µg/kg (estimated) to 12,000 µg/kg. 1,2-DCE exceeded the UU and PGW SCO (250 µg/kg) in two samples, at concentrations as follows: RSB-2_11-13 (12,000 µg/kg), and RSB-14/4D_10-11 (2,900 µg/kg). Neither of these detections exceeded the RC SCO of 500,000 µg/kg.
- PCE was detected in seven soil samples, ranging in concentration from 3.1 µg/kg (estimated) to 6,100 µg/kg. PCE exceeded the UU and PGW SCO (1,300 µg/kg) in one sample, RSB-2_11-13, at a concentration of 6,100 µg/kg. This detection does not exceed the RC SCO of 150,000 µg/kg.
- TCE was detected in two soil samples, ranging in concentration from 590 µg/kg (estimated) to 760 µg/kg (estimated). TCE exceeded the UU and PGW SCO (470 µg/kg) in both samples, RSB-2_11-13 and RSB-14_10-11, at 760 µg/kg (estimated) and 590 µg/kg, respectively. Neither of these detections exceeded the RC SCO of 200,000 µg/kg.

There were several VOC detections exceeding the PGW SCOs at or near the water table in soil boring locations RSB-2 and RSB-14/4D. As discussed below in the groundwater results section,

three compounds: benzene, 1,2,-DCE, and MTBE also exceed the respective Ambient Water Quality Standards and Guidance Values (AWQSGVs) in downgradient groundwater samples. The remaining VOCs detected in the soil samples did not exceed the AWQSGVs, indicating that the impacts are limited and localized in nature.

SVOCs

There were several SVOCs detected in the soil samples collected from this area. As shown on Table 3, the majority of compounds that were analyzed for were reported at concentrations below the SCOs or not detected. The only compounds that exceeded the UU, PGW or RC SCOs were polycyclic aromatic hydrocarbons (PAHs) and included: Benzo[a]anthracene, Benzo[a]pyrene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Chrysene, Dibenzo[a,h]anthracene, and Indeno[1,2,3-cd]pyrene. The results for these compounds are summarized below.

- Benzo[a]anthracene was detected in seven soil samples, ranging in concentration from 943 µg/kg (estimated) to 4,750 µg/kg. Benzo[a]anthracene exceeded the UU and PGW SCO (1000 µg/kg, SCO is the same for both criteria) in six samples, ranging in concentration from 1,480 µg/kg (estimated) at RSB-14_10-11 to a concentration of 4,750 µg/kg at RSB-2_1-3. None of these detections exceeded the RC SCO of 5,600 µg/kg.
- Benzo[a]pyrene was detected in seven samples, ranging in concentration from 1,120 µg/kg (estimated) in RSB-2_5-7 to 5,550 µg/kg in RSB-2_1-3. Benzo[a]pyrene exceeded both the UU and RC SCO (1,000 µg/kg, SCO is the same for both criteria) in all seven samples. None of the samples exceeded the PGW SCO (22,000 µg/kg) for this compound.
- Benzo[b]fluoranthene was detected in seven samples, ranging in concentration from 961 µg/kg (estimated) to 4,110 µg/kg (estimated). Benzo[b]fluoranthene exceeded the UU SCO (1,000 µg/kg) in six samples, ranging in concentration from 1,410 µg/kg (estimated) at RSB-8_8.5-10.5 and RSB-14/4D_5-7 to a concentration of 4,110 µg/kg (estimated) at RSB-2_1-3. Benzo[b]fluoranthene exceeded the PGW SCO (1,700 µg/kg) in four samples, ranging in concentration from 4,110 µg/kg (estimated) at RSB-14_5-7 to 1,990 µg/kg at RSB-14/4D_2.5-3. None of these detections exceeded the RC SCO of 5,600 µg/kg.
- Benzo[k]fluoranthene was detected in seven samples, ranging in concentration from 1,070 µg/kg (estimated) to 5,080 µg/kg. Benzo[k]fluoranthene exceeded the UU SCO (800 µg/kg) at all seven locations. Benzo[k]fluoranthene exceeded the PGW SCO (1,700 µg/kg) at four locations, ranging in concentration from 1,780 µg/kg at RSB-14/4D_5-7 to a concentration of 5,080 µg/kg (estimated) at RSB-2_1-3. None of these detections exceeded the RC SCO of 56,000 µg/kg.

- Chrysene was detected in seven samples, ranging in concentration from 1,000 µg/kg (estimated) to 4,760 µg/kg. Chrysene exceeded the UU and PGW SCO (1,000 µg/kg, SCO is the same for both criteria) in six samples, ranging in concentration from 1,610 µg/kg (estimated) at RSB-14_2.5-3 to 4,760 µg/kg at RSB-2_1-3. None of these detections exceeded the RC SCO of 56,000 µg/kg.
- Dibenzo[a,h]anthracene was detected in one sample at a concentration of 510 µg/kg (estimated) at RSB-8_5-7. This exceeds the UU SCO (330 µg/kg), but does not exceed the RC SCO (560 µg/kg) or the PGW SCO (1,000,000 µg/kg).
- Indeno[1,2,3-cd]pyrene was detected in six samples, ranging in concentration from 489 µg/kg (estimated) to 1,280 µg/kg (estimated). Indeno[1,2,3-cd]pyrene exceeded the UU SCO (500 µg/kg) in five samples, ranging in concentration from 522 µg/kg (estimated) in RSB-8_8.5-10.5 to 1,280 µg/kg (estimated) in RSB-2_1-3. None of these detections exceeded the RC SCO (5,600 µg/kg) or the PGW SCO (8,200 µg/kg).

Similar to the VOC detections, there were several SVOCs exceeding the respective PGW SCOs at or near the water table in soil boring location RSB-8. Only two compounds, benzo[a]anthracene and chrysene, also exceeded the respective AWQSGVs in downgradient groundwater samples. The remaining SVOCs detected in the soil samples were not detected in corresponding downgradient groundwater samples, indicating that the impacts are limited and localized in nature.

4.3.2.2 Trench Drains

Nine soil borings (RSB-3, RSB-4, RSB-5, RSB-6, RSB-7, RSB-9, RSB-10, RSB-11, and RSB-12) were advanced in the vicinity of the trench drains located throughout the Site. These soil borings were intended to evaluate potential impacts in the vicinity of the trench drains. A total of two samples were collected from each soil boring.

VOCs

There were a total of eight VOCs detected in 12 soil samples collected from the nine soil borings. These included MEK, ethylbenzene, MTBE, toluene, total xylenes, 1,2,-DCE, PCE, and TCE. As shown on Table 2, all of the compounds that were analyzed for were reported at concentrations below the SCOs or not detected at all.

SVOCs

There were a total of 12 SVOCs detected in ten soil samples collected from the nine soil borings. As shown on Table 3, all of the compounds that were analyzed for were reported at concentrations below the SCO or not detected at all.

4.3.2.3 Supplemental RI Delineation Soil Borings

Four soil borings (RSB/MW-14, RSB/MW-15, RSB/MW-16, and RSB/MW-17) were advanced in the vicinity of soil boring RSB-2. These soil borings were intended to evaluate and delineate elevated PCE and TCE detections observed at the water table in RSB-2 during the first sampling round in March 2014. A total of twelve soil samples were collected from these locations, three samples from each soil boring.

VOCs

In general, though there were several detections of VOCs (a total of five compounds) that exceeded the UU and PGW SCOs (SCOs are the same for both criteria for the VOCs discussed below, with the exception of total xylenes), none of these exceeded the RC SCOs. The two compounds of concern in these borings were either not detected (TCE) or detected at concentrations well below the UU and PGW SCO [PCE ranging from 3.3 µg/kg (estimated) to 5.4 µg/kg]. The results for the detected compounds are summarized below, and on Table 2.

- 2-butanone (MEK) was detected in three samples, ranging in concentration from 2.8 (estimated) to 450 µg/kg. MEK exceeded the UU and PWG SCO (120 µg/kg) in one sample, RSB/MW-14_12-14 at a concentration of 450 µg/kg. This detection does not exceed the RC SCO of 500,000 µg/kg.
- Ethylbenzene was detected in six samples, ranging in concentration from 11 µg/kg to 5,700 µg/kg. Ethylbenzene exceeded the UU and PWG SCO (1,000 µg/kg) in five samples, at concentrations ranging from 1,200 µg/kg in RSB/MW-14_12-14, to 5,700 µg/kg in RSB/MW-15_10-11. None of these detections exceeded the RC SCO of 390,000 µg/kg.
- Toluene was detected in seven samples, ranging in concentration from 23 µg/kg to 100,000 µg/kg. Toluene exceeded the UU and PGW SCO (700 µg/kg) in four samples, at concentrations ranging from 930 µg/kg in RSB/MW-14_12-14 to 100,000 µg/kg in RSB/MW-15_10-11. None of these detections exceeded the RC SCO of 500,000 µg/kg.
- Xylenes (total) were detected in seven samples, ranging in concentration from 7.8 µg/kg (estimated) to 28,000 µg/kg. Xylenes exceeded the UU SCO (260 µg/kg) and PGW SCO (1,600 µg/kg) in four samples, at concentrations ranging from 5,800 µg/kg in

RSB/MW-14_12-14 to 28,000 µg/kg in RSB/MW-15. None of these detections exceeded the RC SCO (500,000 µg/kg).

- 1,2-DCE was detected in six soil samples, ranging in concentration from 3.7 µg/kg (estimated) to 2,300 µg/kg. 1,2-DCE exceeded the UU and PGW SCO (250 µg/kg) in three samples, at concentrations ranging from 330 µg/kg (estimated) in RSB/MW-17_13-15 to 4,100 µg/kg in RSB/MW-16_11-13. None of these detections exceeded the RC SCO of 500,000 µg/kg.
- PCE was detected in two soil samples, ranging in concentration from 3.3 µg/kg (estimated) to 5.4 µg/kg. PCE did not exceed the UU and PGW SCO (1,300 µg/kg), or RC SCO (150,000 µg/kg).

The only VOC detections exceeding the PGW SCO at or near the water table were 1,2-DCE in soil boring locations RSB/MW-15 and RSB/MW-16. As discussed below, this compound also exceeded the respective AWQSGV in one of the downgradient groundwater samples. The remaining VOCs detected in the soil samples did not exceed the AWQSGVs, indicating that the impacts are limited and localized in nature.

SVOCs

There were a total of ten SVOCs detected in seven of the soil samples collected from the four soil borings. As shown on Table 3, all of the compounds that were analyzed for were reported at concentrations below the SCOs or not detected at all, with the exception of chrysene in the 1-3 foot interval in soil boring RSB/MW-17, which was detected at an estimated concentration of 1,050 µg/kg. This slightly exceeds both the UU and PGW SCO for this compound (1,000 µg/kg for both criteria), but does not exceed the RC SCO (56,000 µg/kg).

4.4 Groundwater Investigation

A total of 19 new monitoring wells (MW-4S, MW-4D, and MW-5 through MW-21) were installed at the Site over the course of three field mobilizations, in accordance with the NYSDEC-approved RIWP, and two subsequent Supplemental RIWPs.

4.4.1 Monitoring Well Installation and Development

Following soil sampling activities, monitoring wells were installed at soil boring locations RSB-6, RSB-12, RSB-13, RSB-14, RSB/MW-14, RSB/MW-15, RSB/MW-16, and RSB/MW-17 to a depth of approximately 20 feet bls, and at MW-4S to a depth of approximately 40 feet bls.

No soil samples were collected from the soil borings at locations MW-8 through MW-13, and MW-18 through MW-21. Monitoring wells were constructed of 2-inch-inside-diameter, Schedule 40 polyvinyl chloride (PVC) casing and, 0.020-inch slot, machined screen. Well screens are 10 feet long, and were installed from approximately 10 to 20 feet bls in MW-4S, MW-5, MW-6, and MW-7, and from approximately 30 to 40 feet in MW-4D. A sand pack was placed around the well screen, extending two feet above the top of the screened zone. A minimum two-foot-thick bentonite pellet seal was placed above the sand pack. Once the pellets were allowed to hydrate, a cement-bentonite grout was pumped into the remaining annular space from the bottom up using a tremie pipe lowered to just above the bentonite seal. The wells are completed using locking well plugs, and flush mounted, bolt down, watertight, manhole covers cemented into place.

Each well that did not exhibit free phase product after installation, was developed to ensure good hydraulic connection and to reduce/eliminate turbidity of the water. The wells were developed using a submersible pump, and surged periodically until well yield was consistent and had a turbidity below 50 nephelometric turbidity units (NTUs), if possible.

All monitoring wells were surveyed to obtain horizontal and vertical survey coordinates, and water level elevations were calculated for each well and included on Table 1. Plate 4 shows the groundwater elevation contours. Groundwater at the Site is approximately 10 feet below grade and groundwater flow is to the southeast. Monitoring well development logs and groundwater sampling purge logs are included in Appendix C.

Following installation and/or development, thirteen of the monitoring wells exhibited free-phase hydrocarbon. Samples of the free-phase hydrocarbon was collected and submitted to the laboratory for identification. The result was reported as “Pattern is similar to Motor Oil”. A copy of the laboratory reports are included in Appendix D. A summary of free-phase hydrocarbon thicknesses from the March 2015 gauging event is provided in Table 1. The estimated extent of the free-phase hydrocarbon plume is shown on Plate 7.

4.4.2 Groundwater Sampling Methodology

To characterize groundwater flow and quality conditions, the existing network of three monitoring wells was sampled. Nineteen new monitoring wells were also installed at the Site including the north portion of the garage, and the southwest and northwest corners of the Site (MW-4S, MW-4D, and MW-5 through MW-21) to evaluate groundwater quality in these areas. [Note: MW-4S and MW-4D is a shallow (20 ft bls) and deep (40 ft bls) pair of wells to evaluate vertical extent of chlorinated VOC impacts]. The monitoring well locations are shown on Figure 2.

Following well development, one round of groundwater samples was collected and analyzed for:

- TCL VOCs;
- TCL SVOCs (only for the February 24, 2014 and October 27, 2015 sample rounds); and
- Metals (only for the February 24, 2014 and October 27, 2015 sample rounds).

Field parameters, including temperature, pH, conductivity, turbidity, and dissolved oxygen concentration, were also collected during well sampling. Prior to sampling, depth to water was measured at each well using an electronic water level indicator with an accuracy of +/-0.01 feet. At each groundwater sampling location, groundwater samples were collected using low-flow (minimal drawdown) procedures. Prior to sample collection, each point was purged at low-flow evacuation rates of 0.1 to 0.5 liters per minute (L/min) using a peristaltic pump. Groundwater samples were collected at the same flow rate as purging using the same device as was used for purging.

4.4.3 Groundwater Sample Results

The following sections summarize the groundwater quality based on laboratory analytical data that was generated during this investigation. A total of ten groundwater samples and two duplicate samples were collected from MW-1 through MW-3, MW-4D, MW-6, MW-7, MW-9, MW-19, and MW-20 over the course of the three field mobilizations, in accordance with the RIWP, Supplemental RIWPs, and QAPP. A total of 13 monitoring wells were not sampled due to the presence of free-phase hydrocarbons (MW-4S, MW-5, MW-8, MW-10 through MW-17, MW-18, and MW-21).

The groundwater laboratory analytical results were compared to NYSDEC Ambient Water-Quality Standards and Guidance Values (AWQSGVs) for Class GA groundwater (even though the groundwater at the Site is not used for drinking since the area is connected to the public water supply). Laboratory analytical data for groundwater are shown on Plate 3, and are summarized in Tables 4, 5, and 6. For reference, the historical groundwater sample results are summarized on Plate 4. It should be noted that the historical groundwater samples were collected as grab samples from soil borings during Testwell's 2007 Site work.

VOCs

A summary of laboratory analytical data for VOCs detected in groundwater is presented in Table 4 and Plate 3. A total of ten groundwater samples and two duplicate samples were analyzed for VOCs. As shown on Table 4, all of compounds that were analyzed for were reported at low concentrations or not detected in any of the samples. Analytical data for VOCs indicated detections above the NYSDEC AWQSGVs in two of the groundwater samples. Detections above the NYSDEC AWQSGVs included benzene, chloroethane, cis-1,2-dichloroethane, methyl tert butyl ether (MTBE), and vinyl chloride. There were also detections of low-level estimated concentrations of methylene chloride (5.1 µg/L to 14 µg/L) in three out of seven field blanks, and two out of eight trip blanks, indicating that these detections are likely laboratory artifacts. This is confirmed by the non-detect or low-level estimated results for methylene chloride in all ten groundwater samples and the duplicate samples. A summary of the exceedances is provided below.

- Benzene exceeded the AWQSGV (1 µg/L) in two samples, at concentrations of 1.2 µg/L in MW-19 and 5.2 µg/L in MW-20.
- Chloroethane exceeded the AWQSGV (5 µg/L) in MW-20 at a concentration of 11 µg/L.
- Cis-1,2-dichloroethane exceeded the AWQSGV (5 µg/L) in MW-20 at a concentration of 350 µg/L.
- MTBE exceeded the AWQSGV (10 µg/L) in two samples, at concentrations of 22 µg/L in MW-19 and 100 µg/L in MW-20.
- Vinyl chloride exceeded the AWQSGV (2 µg/L) in two samples, at concentrations of 42 µg/L in MW-19 and 66 µg/L in MW-20.

SVOCs

A summary of laboratory analytical data for SVOCs detected in groundwater samples is presented in Table 5 and on Plate 3. A total of nine groundwater samples and one duplicate sample were analyzed for SVOCs. As shown on Table 5, limited SVOCs were detected in three of the groundwater samples collected during this investigation. The only detections of SVOCs that exceeded the NYSDEC AWQSGVs were benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, bis(2-ethylhexyl) phthalate, chrysene, and indeno[1,2,3-cd]pyrene in MW-6, MW-7, and MW-20. A summary of the exceedances is provided below.

- Benzo[a]anthracene exceeded the AWQSGV (0.002 µg/L) in two samples, at concentrations of 0.0686 µg/L in MW-6 and 0.144 µg/L in MW-20.
- Benzo[a]pyrene exceeded the AWQSGV (0 µg/L) in MW-20, at a concentration of 0.144 µg/L.
- Benzo[b]fluoranthene exceeded the AWQSGV (0.002 µg/L) in MW-20, at a concentration of 0.0821 µg/L.
- Bis(2-ethylhexyl) phthalate exceeded the AWQSGV (5 µg/L) in MW-7 and the duplicate of this sample, at estimated concentrations of 39.6 µg/L and 6.98 µg/L, respectively.
- Chrysene exceeded the AWQSGV (0.002 µg/L) in two samples, at concentrations of 0.0686 µg/L in MW-6 and 0.144 µg/L in MW-20.
- Indeno[1,2,3-cd]pyrene exceeded the AWQSGV (0.002 µg/L) in MW-20, at a concentration of 0.0718 µg/L.

Metals

A summary of laboratory analytical data for metals detected in groundwater samples is presented in Table 6 and on Plate 3. A total of nine groundwater samples and one duplicate sample were analyzed for metals. As shown on Table 6, five metals (Iron, Lead, Manganese, Selenium, and Sodium) were detected above NYSDEC AWQSGV criteria. Iron, manganese, and sodium are naturally occurring in regional groundwater. A summary of the detections of Lead and Selenium are described below.

- Lead was detected in four locations at concentrations ranging from 27 µg/L in MW-1 to 63 µg/L in MW-20, exceeding the respective NYSDEC AWQSGV (25 µg/L) in all four locations.
- Selenium was detected in two locations at concentrations ranging from 10 µg/L in MW-7 to 15 µg/L in MW-2, slightly exceeding the respective NYSDEC AWQSGV (10 µg/L) in MW-2.

4.5 Soil Vapor Investigation

Soil vapor and sub-slab vapor samples were collected from five locations at the Site. A summary of the soil vapor sampling program conducted during the RI is provided in the following sections. The complete soil vapor sampling results are shown on Plate 5 and summarized in Table 7.

At the request of NYSDEC, as part of the Supplemental RI Work Plan – Phase III (February 26, 2015), soil vapor sampling was proposed at the adjacent property (Favorite Plastics) to evaluate the sub-slab vapor and indoor air quality. Multiple attempts (via telephone, written request, and in person) were made to gain access to Favorite Plastics to conduct the limited offsite evaluation; however, no response was received from Favorite Plastics' Chief Operating Officer (COO), Mitchell Kirschner. A copy of the correspondence sent to Favorite Plastics' COO is included in Appendix E.

4.5.1 Soil Vapor Sample Point Installation

Four of the five soil vapor points are located inside the building and one point (SV-2) is located on the southern property boundary, outside the building. In February 2014, the four sub-slab soil vapor points (SV-1, and SV-3 through SV-5) were installed as temporary points due to large void spaces that were encountered in several locations during pre-clearance of the soil borings. It was decided that temporary points would require a much smaller penetration through the slab, and therefore would provide a better seal for each location. These points were installed using a hammer drill to penetrate the concrete floor slab. In September 2014, temporary sub-slab vapor points SV-4 and SV-5 in the auto repair shop area, were converted to permanent sub-slab vapor points, to facilitate future sample rounds and protect the integrity of the sample points in high traffic areas. In September 2014, an additional sub-slab vapor sample point (SV-6) was installed per the Supplemental RIWP, to evaluate soil vapor conditions on the eastern portion of the Site.

Soil vapor point (SV-2) was installed using a Geoprobe® rig to the target depth of five feet. For the outdoor soil vapor samples, a Geoprobe® rod equipped with a Geoprobe® soil vapor sampling connector and a disposable drive point was advanced 4.5 to 5 feet into the ground. A temporary soil vapor sampling port consisting of a six-inch long stainless steel screen was advanced to the bottom of the Geoprobe® rod with a Teflon-lined sampling tube running to the

surface. The annular space around the screen was filled with sand and a surface seal consisting of bentonite clay was installed to prevent ambient air intrusion. The end of the sampling tube was fitted with Master-Flex flexible tubing and tied off to prevent ambient air and/or water from entering the tubing prior to sample collection.

4.5.2 Soil Vapor Sampling Methodology

On February 24, 2014, summa canister soil vapor samples were collected to evaluate the potential VOC soil vapor impacts. One soil vapor sample (SV-2) was collected from the area outside of the building (in the southern portion) from a boring installed using a Geoprobe, to the target depth of five feet. Four additional soil vapor samples were collected from directly beneath the building slab [one in the office space (SV-1), one in the northern portion (SV-4), one in the central portion of the Auto Repair Shop (SV-5), and one in the western portion (SV-3)]. Sub-slab vapor samples were collected directly below the slab, using temporary soil vapor points. In addition, one outdoor ambient air sample (Outdoor Ambient) and one indoor air sample (IA-1) from within the office space were collected.

On September 25, 2014 and March 18, 2015, sub-slab vapor samples were collected from SV-4, SV-5, and SV-6. In addition, one indoor air sample and an outdoor ambient sample were collected concurrently with the sub-slab vapor samples.

All vapor samples were collected in 6-liter, laboratory pre-cleaned, Summa canisters fitted with an 8-hour flow controller. All soil vapor samples, sub slab vapor samples, indoor air and ambient air samples were analyzed using USEPA Method TO-15 for VOCs.

Prior to the collection of samples from within the building, a pre-sampling inspection was performed to identify and minimize conditions that may interfere with the proposed testing. This inspection evaluated the structure, floor layout, air flow, physical conditions, and any other pertinent information. The major limitation on the soil vapor/sub-slab vapor/indoor and outdoor air sampling at the Site is that the Site is an active auto repair shop with heavy vehicle traffic for the majority of the day. Furthermore, the Site is located on Kings Highway, which is a heavily trafficked roadway, also for the majority of the day.

4.5.3 Soil Vapor Results

The laboratory analytical results for soil vapor samples generated during the RI are summarized on Plate 5 and Table 7. A total of 11 soil vapor samples were collected as part of the multiple RI sampling events. Ten samples (SV-1, SV-3, SV-4, and SV-5) were sub-slab samples collected within the onsite building and the remaining sample point (SV-2) was a soil vapor point collected beneath the asphalt pavement on the south side of the Site. As shown on Table 7, the majority of compounds that were analyzed were reported at low and/or estimated concentrations or not detected in any of the samples.

The following seven (7) compounds are discussed because they are either COCs at the Site (PCE) or due to their presence on the NYSDOH Guidance Soil Vapor Matrices. Matrix 1 provides guidance relative to Carbon Tetrachloride, TCE, and VC; and Matrix 2 provides guidance relative to 1,1,1- Trichloroethane, 1,1-Dichloroethene, 1,2-DCE, and PCE. A summary of the detections are described below along with the corresponding Matrix results. Additional compounds besides these seven were detected and are included Table 7.

Matrix 1 Compounds

- Carbon tetrachloride was not detected during the February 2014 sample event.
 - September 2014 sample event, carbon tetrachloride was detected in the indoor air sample at a concentration of $0.5 \mu\text{g}/\text{m}^3$; however, carbon tetrachloride was not detected in any of the sub-slab vapor samples during this sample event. (Matrix Result - Take reasonable and practical actions to identify source and reduce exposures) (Note: The data validator rejected the indoor air sample that corresponded to this location due to improper vacuum issues)
 - March 2015 sample event, carbon tetrachloride was detected in two of the sub-slab vapor samples (SV-4 and SV-6), at concentrations of $0.63 \mu\text{g}/\text{m}^3$ and $0.81 \mu\text{g}/\text{m}^3$, respectively, but was not detected in any of the sub-slab samples during this sample event. (Matrix Result - No Further Action)
- TCE was detected in samples collected during each sample event.
 - February 2014 sample event, TCE was detected in one of the sub-slab vapor samples (SV-5), at a concentration of $13 \mu\text{g}/\text{m}^3$. TCE was also detected in the indoor air sample (IA-1) at a concentration of $1.2 \mu\text{g}/\text{m}^3$, but was not detected in the corresponding sub-slab vapor sample (SV-1) collected at this location. (Matrix Result - Take reasonable and practical actions to identify source and reduce exposures)

- September 2014 sample event, TCE was detected in SV-5 at a concentration of $21 \mu\text{g}/\text{m}^3$, but was not detected in the corresponding indoor air sample (IA092514). (Matrix Result - No Further Action) (Note: The data validator rejected the indoor air sample that corresponded to this location due to improper vacuum issues)
- March 2015 sample event, TCE was detected in SV-4 at a concentration of $1.1 \mu\text{g}/\text{m}^3$, and in SV-5 at a concentration of $6.9 \mu\text{g}/\text{m}^3$, but was not detected in the corresponding indoor air sample (IA031815). (Matrix Result - No Further Action)
- VC was not detected in any of the soil vapor samples.

Matrix 2 Compounds

- 1,1,1-Trichloroethane was not detected in any of the soil vapor or indoor air samples.
- 1,1-Dichloroethene was not detected in any of the soil vapor or indoor air samples.
- 1,2-DCE was detected in the indoor air sample (IA-1) during the February 2014 sample event, at a concentration of $0.58 \mu\text{g}/\text{m}^3$. 1,2-DCE was not detected in the corresponding sub-slab soil vapor sample (SV-1). 1,2-DCE was not detected in samples collected during any of the subsequent sample events. (Matrix Result- No Further Action)
- PCE was detected in samples collected during each sample event.
 - February 2014 sample event, PCE was detected in two sub-slab vapor samples, at $88 \mu\text{g}/\text{m}^3$ and $1,100 \mu\text{g}/\text{m}^3$ in samples SV-5 and SV-4, respectively. PCE was also detected in the Outdoor Ambient air sample, at a concentration of $0.83 \mu\text{g}/\text{m}^3$. (Note: These sample results do not have a corresponding data point for indoor air.)
 - September 2014 sample event, PCE was detected in all three sampled sub-slab vapor points (SV-4, SV-5, and SV-6), at concentrations of $220 \mu\text{g}/\text{m}^3$, $210 \mu\text{g}/\text{m}^3$, and $43 \mu\text{g}/\text{m}^3$, respectively. PCE was detected in the corresponding indoor air sample IA092514 at a concentration of $0.47 \mu\text{g}/\text{m}^3$. PCE was not detected in the outdoor ambient sample. [Matrix Result – Monitor (SV-4 and SV-5), No Further Action (SV-6)]. (Note: The data validator rejected the indoor air sample and SV-6 sample for this sample round due to improper vacuum issues)
 - March 2015 sample event, PCE was detected in all three sampled sub-slab vapor points (SV-4, SV-5 and SV-6), at concentrations of $100 \mu\text{g}/\text{m}^3$, $70 \mu\text{g}/\text{m}^3$, and $5.8 \mu\text{g}/\text{m}^3$, respectively. PCE was detected in the corresponding indoor air sample IA031815 at a concentration of $2.1 \mu\text{g}/\text{m}^3$. [Matrix Result – Monitor (SV-4), No Further Action (SV-5 and SV-6)]

Soil vapor sampling logs and field-screening data are provided in Appendix F.

5.0 QUALITATIVE EXPOSURE ASSESSMENT

A qualitative exposure assessment (EA) was performed following the collection of all RI data. The EA was performed in accordance with Section 3.3(c)4 of DER-10 and the New York State Department of Health (NYSDOH) guidance for performing a qualitative EA (NYSDEC DER-10; Technical Guidance for Site Investigation and Remediation; Appendix 3 B). The results of the qualitative EA are provided in the following subsections.

According to Section 3.10 of DER-10, and the Fish and Wildlife Resources Impact Analysis Decision Key in DER-10 Appendix 3C, a Fish and Wildlife exposure assessment is not needed.

5.1 Soil Exposure

As described above in Section 4.3.2, soil samples collected during the RI indicated the presence of VOCs and SVOCs at concentrations above the UU and PGW SCOs. An individual could be exposed to these contaminants through direct contact with site soil during ground intrusive work at the site. Direct contact without the use of proper personal protective equipment (PPE) and personal hygiene measures could lead to dermal contact and incidental ingestion of these compounds. Since the Site is fully paved or covered with the existing Site building and fully fenced, access is controlled; potential contact with Site soil is restricted to remedial contract workers at the Site performing ground intrusive activities. The general public is not exposed to direct contact with Site soil.

So long as KAM remains in place, no change in usage or function of the site is expected. The building and parking areas are expected to remain in their current configuration. There are minimal landscaped areas immediately adjacent to the current showroom/office space on Kings Highway, which are at least 135 feet removed from the AOCs identified during the RI, and do not represent a source of exposure. Given the current use of the Site, the proposed remedy for the site is a Track 4 cleanup. The details of the proposed remedy to address soil impacts will be described further in the RAWP and Site Management Plan (SMP). Conceptually, the soil remedy will consist of the in place management of soil in exceedance of the PGW and RC SCOs through maintenance of the cover system as an engineering control, free-phase hydrocarbon recovery beneath the auto repair shop, *in-situ* chemical oxidation (ISCO) injections (or equivalent) to address any residual free-phase hydrocarbons and groundwater impacts, institutional controls

(i.e., easement), and an SMP. Based on this plan, the potential for exposure by direct contact with contaminated soil will be eliminated for both the public and employees of the commercial operation. Direct contact without the use of proper personal protective equipment (PPE) and personal hygiene measures could lead to dermal contact and incidental ingestion of these compounds for any future construction workers performing ground intrusive activities at the Site.

5.2 Groundwater Exposure

As described in Section 4.4.3, groundwater samples collected during the RI indicate the presence of limited VOCs, SVOCs and metals above the AWQSGVs, and the presence of free-phase motor oil in 13 monitoring wells. Since the groundwater table is encountered at approximately 9.5 to 12.5 ft below land surface, and groundwater is not used for drinking (the area is connected to the New York City public water supply), there is no direct contact with or ingestion of groundwater by the general public. Individuals who perform groundwater sampling, free-phase hydrocarbon recovery, or other remedial activities may come into contact with contaminated groundwater if proper PPE and personal hygiene measures are not used, which could lead to dermal contact and the potential for incidental ingestion of these compounds.

So long as KAM remains in place, there are no plans to change the configuration of the existing Site building or the paved parking areas. The building will continue to be serviced by the public water supply. The details of the proposed remedy to address the free-phase hydrocarbon presence in groundwater will be described further in the RAWP and SMP. Conceptually, the remedy will consist of free-phase hydrocarbon recovery beneath the auto repair shop, ISCO injections (or equivalent) to address residual free-phase hydrocarbons and associated groundwater impacts, and a groundwater monitoring program to evaluate the success of the ISCO injections, and institutional controls (i.e., easement). Based on this, the potential for public or employee exposure by direct contact with contaminated groundwater will be reduced or eliminated.

5.3 Soil Vapor Exposure

As described above in Section 4.5.3, soil vapor samples collected during the RI indicated the presence of VOCs in sub-slab soil vapor. Currently, the Site is an active retail automobile sales and service operation, with an auto wash, paint shop, showroom and office space. Although

several VOCs were detected in the indoor air sample collected from the office space, the only VOC compound that was detected in both indoor and sub-slab vapor samples was methylene chloride which is considered to be a lab contaminant.

Currently the vapor intrusion study in the auto repair shop yields either No Further Action or Monitor results when compared to the NYSDOH Guidance Matrix. The building currently has a vehicular exhaust venting system, the integrity of which should be evaluated and any necessary repairs made to the system to reduce or eliminate vehicular exhaust from accumulating in the workspace.

At the request of NYSDEC, multiple unsuccessful attempts were made to collect soil vapor and indoor air samples at the adjacent property. As such, the presence of soil vapor impacts at the adjacent property cannot be definitively determined at this time. However; historical soil samples collected on the adjacent property (Plate 2) indicated no detections of VOCs, with the exception of methylene chloride detected at estimated concentrations of 4.5 µg/kg and 5.1 µg/kg, well below the UU SCO of 50 µg/kg for this compound. Based on this, it is unlikely that impacted soil vapor has migrated to the adjacent property.

As described above in Sections 5.1 and 5.2, the remedial elements including free-phase hydrocarbon recovery and ISCO injections proposed to address soil and groundwater impacts are expected to improve onsite soil vapor quality by reducing or eliminating potential source material. The proposed remedy to address vapor intrusion, if required, will be described fully in the RAWP and SMP.

5.4 Exposure Assessment Summary

The following table summarizes the exposure assessment.

Environmental Media and Exposure Route	Human Exposure Assessment
Direct contact with subsurface soils (and incidental ingestion)	Exposure to on Site employees and the public will be eliminated through maintenance of the Site cover (existing building and paved parking areas).

Environmental Media and Exposure Route	Human Exposure Assessment
Direct contact with subsurface soils (and incidental ingestion) – <i>continued</i>	• Construction or utility workers performing ground intrusive activities could come into contact with contaminated soil through dermal contact and incidental ingestion. • Future exposure will be reduced or eliminated by addressing free-phase hydrocarbons that may be acting as a source of contamination to soil, ISCO injections, and institutional controls (i.e., easement) included in the SMP to describe cover system maintenance and soil management procedures at the Site if the cover system is modified.
Ingestion of groundwater	• Contaminated groundwater is not used for drinking water, as the Site is connected to the public water supply.
Direct contact with groundwater (and incidental ingestion)	• Remedial workers and utility workers could come into contact with contaminated groundwater through dermal contact and incidental ingestion during ground intrusive work, free-phase hydrocarbon recovery and sampling activities. • Future exposure will be reduced or eliminated by addressing free-phase hydrocarbon that may be acting as a source of contamination to groundwater, ISCO injections, and institutional controls (i.e., easement) included in the SMP to restrict groundwater use at the Site.
Inhalation of air (exposures related to soil vapor intrusion)	• Remedial workers, employees, and utility workers may be exposed to contaminated soil vapor inside the building or within open excavations. • Future exposure will be reduced through source removal (free phase oil) as feasible, and the installation of an active sub-slab depressurization system, if determined to be necessary based on soil vapor intrusion monitoring.

6.0 CONCLUSIONS AND RECOMMENDATIONS

The data collected during the RI and described in this report confirm and delineate AOCs for soil, groundwater, and soil vapor at the Site. The following section summarizes the AOCs for each matrix.

6.1 Soil Results

Soil sample results confirm previous investigations that identified petroleum contamination surrounding the former USTs in the northeastern corner of the auto repair shop. Only one compound (benzo[a]pyrene) was detected above the RC SCOs in three soil borings in this area. These detections were observed to a maximum depth of 10.5 feet below land surface. Soil sample results from the remainder of the Site show no exceedances of the RC SCOs. Several VOCs and SVOCs exceeded the PGW SCOs in the vicinity of the water table; however, only five of these compounds were also detected in downgradient groundwater samples. These detections were observed to a maximum depth of 15 feet below land surface.

These sample results illustrate the extremely limited nature of SVOC detections in one small area of the Site (northeast corner of the auto repair shop) and indicate that the contamination can be managed in place by maintaining the concrete floor slab within the building, and the paved parking area adjacent to the building. The proposed remedial action will include free-phase hydrocarbon recovery, followed by ISCO injections to remediate unrecoverable residual free-phase hydrocarbons, and maintenance of the existing Site cover. The details of the proposed remedy to reduce or eliminate the free-phase hydrocarbons and residual soil impacts present at the Site will be fully described in the RAWP and the SMP.

6.2 Groundwater Results

Groundwater sample results indicate limited pockets of groundwater contamination (SVOCs and metals). There were limited exceedances of VOCs in two monitoring wells (MW-19 and MW-20) located downgradient of the free-phase hydrocarbon extent. Thirteen monitoring wells (MW-4S, MW-5, MW-8, MW-10 through MW-18, and MW-21) could not be sampled due to the presence of free-phase motor oil.

The deep groundwater monitoring well (MW-4D) that was requested by NYSDEC to evaluate potential groundwater impacts by chlorinated VOCs (mainly PCE), showed no exceedances of VOCs, SVOCs, or metals. These results illustrate that there are no major sources, particularly of PCE, impacting deep groundwater at the Site.

Due to the limited nature of groundwater contamination observed at the Site the proposed remedial action for groundwater at the Site is free-phase hydrocarbon recovery, followed by ISCO injections and groundwater monitoring, as needed to evaluate remedial progress. The details of the proposed remedy to reduce or eliminate the free-phase hydrocarbons and residual groundwater impacts present at the Site will be fully described in the RAWP and the SMP.

6.3 Soil Vapor Results

Soil vapor intrusion results indicate there is no vapor intrusion pathway in the office space at the Site. Currently the vapor intrusion study in the auto repair shop yields either No Further Action or Monitor results when compared to the NYSDOH Guidance Matrix.

No access was granted to evaluate offsite vapor intrusion conditions at the neighboring property to the north. Based on historical soil sample results collected by Testwell (i.e., no VOC detections) it is unlikely that impacted soil vapor has migrated to the north of the Site.

Additional monitoring may be warranted in the auto repair shop area, to determine if active mitigation of soil vapor is necessary. The proposed remedy to address on Site soil vapor, if needed, will be described in the RAWP and the SMP.

7.0 REPORTING AND SCHEDULE

An estimated schedule is presented below for the remainder of the required elements of the BCP program.

<i>Submit Remedial Action Work Plan</i>	60 days after NYSDEC approval of RIR
<i>NYSDEC and NYSDOH Review and Public Comment Period</i>	45 days
<i>Implement Remedial Action Plan</i>	30 days following NYSDEC approval of the RAWP
<i>Submit Remedial Action Report</i>	TBD

Remedial Investigation Report

TABLES

1. Summary of Water Level Elevations and Product Thickness, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York
2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall 5200 Kings Highway, Brooklyn, New York
3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York
4. Summary of Volatile Organic Compounds in Groundwater, Kristal Auto Mall 5200 Kings Highway, Brooklyn, New York
5. Summary of Semivolatile Organic Compounds in Groundwater, Kristal Auto Mall 5200 Kings Highway, Brooklyn, New York
6. Summary of Metals in Groundwater, Kristal Auto Mall 5200 Kings Highway, Brooklyn, New York
7. Summary of Volatile Organic Compounds in Soil Vapor and Ambient Air, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Table 1. Summary of Water Level Elevations and Product Thickness, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

MW ID	GAUGING DATE	MEASURING POINT ELEVATION	DEPTH TO WATER	DEPTH TO PRODUCT	GROUNDWATER ELEVATION	PRODUCT THICKNESS	COMMENTS
MW-12	5/11/2015	89.34	12.02	10.06	NA	1.96	
MW-21	5/11/2015	89.35	11.76	10.21	NA	1.55	
MW-3	5/11/2015	89.49	10.5	--	78.99	--	
MW-7	5/11/2015	89.47	8.77	--	80.7	--	
MW-6	5/11/2015	89.31	8.16	--	81.15	--	
MW-5	5/11/2015	89.33	11.56	10.04	NA	1.52	
MW-19	5/11/2015	89.45	10.29	--	79.16	--	
MW-13	5/11/2015	89.28	12.35	10.13	NA	2.22	
MW-20	5/11/2015	89.46	10.4	--	79.06	--	
MW-16	5/11/2015	89.43	10.64	10.24	NA	0.4	
MW-18	5/11/2015	89.46	9.66	9.64	NA	0.02	
MW-9	5/11/2015	89.46	10.35	--	79.11	--	
MW-14	5/11/2015	89.39	10.53	10.16	NA	0.37	
MW-15	5/11/2015	89.32	11.7	10.12	NA	1.58	
MW-17	5/11/2015	90.10	11.66	9.28	NA	2.38	
MW-4S	5/11/2015	89.27	12.67	10.08	NA	2.59	
MW-11	5/11/2015	89.23	12.8	10.08	NA	2.72	

NA - Not applicable

Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-1 2/20/2014 10	RSB-1 2/20/2014 20	RSB-2 2/21/2014 1	RSB-2 2/21/2014 5	RSB-2 2/21/2014 11
1,1,1-Trichloroethane	680	680	500000		2.6 U	2.8 U	3.2 U	2.4 U	440 U
1,1,2,2-Tetrachloroethane	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
1,1,2-Trichloroethane	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
1,1-Dichloroethane	270	270	240000		2.6 U	2.8 U	3.2 U	2.4 U	440 U
1,1-Dichloroethene	330	330	500000		2.6 U	2.8 U	3.2 U	2.4 U	440 U
1,2,3-Trichlorobenzene	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
1,2,4-Trichlorobenzene	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
1,2-Dibromoethane	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
1,2-Dichlorobenzene	1100	1100	500000		2.6 U	2.8 U	3.2 U	2.4 U	440 U
1,2-Dichloroethane	20	20	30000		2.6 U	2.8 U	3.2 U	2.4 U	440 U
1,2-Dichloropropane	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
1,3-Dichlorobenzene	2400	2400	280000		2.6 U	2.8 U	3.2 U	2.4 U	440 U
1,4-Dichlorobenzene	1800	1800	130000		2.6 U	2.8 U	3.2 U	2.4 U	440 U
1,4-Dioxane	100	100	130000		RV	RV	RV	RV	RV
2-Butanone (MEK)	120	120	500000		2.6 U	2.8 U	4.4 J	2.4 U	440 UV
2-Hexanone	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
4-Methyl-2-pentanone (MIBK)	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	4000 D
Acetone	50	50	500000		10 UV	7.3 UV	79 UV	19 UV	6200 UV
Benzene	60	60	44000		2.6 U	2.8 U	4.4 J	2.4 U	470 JD
Bromochloromethane	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
Bromodichloromethane	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
Bromoform	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
Bromomethane	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
Carbon disulfide	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
Carbon tetrachloride	760	760	22000		2.6 U	2.8 U	3.2 U	2.4 U	440 U
Chlorobenzene	1100	1100	500000		2.6 U	2.8 U	3.2 U	2.4 U	440 U
Chloroethane	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
Chloroform	370	370	350000		2.6 U	2.8 U	3.2 U	2.4 U	440 U
Chloromethane	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
cis-1,2-Dichloroethene	250	250	500000		2.6 U	2.8 U	3.2 U	2.4 U	12000 D
cis-1,3-Dichloropropene	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
Cyclohexane	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
Dibromochloromethane	--	--	--		2.6 UJV	2.8 UJV	3.2 UJV	2.4 UJV	440 UJV
Dibromochloropropane	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
Dichlorodifluoromethane	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U

Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-1 2/20/2014 10	RSB-1 2/20/2014 20	RSB-2 2/21/2014 1	RSB-2 2/21/2014 5	RSB-2 2/21/2014 11
Ethylbenzene	1000	1000	390000		2.6 U	2.8 U	3.2 U	2.4 U	12000 D
Freon 113	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
Isopropylbenzene	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	790 JD
m+p-Xylene	--	--	--		5.3 U	5.7 U	7 J	4.8 U	39000 D
Methyl acetate	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
Methylcyclohexane	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	2100 D
Methylene chloride	50	50	500000		3.6 UV	3.1 UV	6.3 UV	4.6 UV	440 U
MTBE	930	930	500000		2.6 U	2.8 U	3.2 U	2.4 U	2000 D
o-Xylene	--	--	--		2.6 U	2.8 U	3.2 J	2.4 U	12000 D
Styrene	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
Tetrachloroethene	1300	1300	150000		2.6 U	2.8 U	21	3.1 J	6100 D
Toluene	700	700	500000		2.6 U	2.8 U	20	2.4 U	340000 D
trans-1,2-Dichloroethene	190	190	500000		2.6 U	2.8 U	3.2 U	2.4 U	440 U
trans-1,3-Dichloropropene	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
Trichloroethene	470	470	200000		2.6 U	2.8 U	3.2 U	2.4 U	760 JD
Trichlorofluoromethane	--	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U
Vinyl chloride	20	20	13000		2.6 U	2.8 U	3.2 U	2.4 U	440 U
Xylenes (total)	260	1600	500000		7.9 U	8.5 U	10 J	7.2 U	51000 D

J - Estimated value

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

B - The analyte was found in an associated blank as well as in the sample

NA - Compound was not analyzed by laboratory

D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No 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 Protection of Groundwater Standards

Boxed data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

V - Value altered or qualifier added during data validation

R - Sample results rejected by validator

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

NJ - Detection is tentative in identification and estimated in value

Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-2 2/21/2014 18	RSB-3 2/20/2014 8	RSB-3 2/20/2014 18	RSB-4 2/21/2014 8	RSB-4 2/21/2014 18
1,1,1-Trichloroethane	680	680	500000		2.8 U	2.7 U	2.7 U	3.1 U	2 U
1,1,2,2-Tetrachloroethane	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
1,1,2-Trichloroethane	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
1,1-Dichloroethane	270	270	240000		2.8 U	2.7 U	2.7 U	3.1 U	2 U
1,1-Dichloroethene	330	330	500000		2.8 U	2.7 U	2.7 U	3.1 U	2 U
1,2,3-Trichlorobenzene	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
1,2,4-Trichlorobenzene	--	--	--		2.8 UV	2.7 U	2.7 U	3.1 U	2 U
1,2-Dibromoethane	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
1,2-Dichlorobenzene	1100	1100	500000		2.8 U	2.7 U	2.7 U	3.1 U	2 U
1,2-Dichloroethane	20	20	30000		2.8 U	2.7 U	2.7 U	3.1 U	2 U
1,2-Dichloropropane	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
1,3-Dichlorobenzene	2400	2400	280000		2.8 U	2.7 U	2.7 U	3.1 U	2 U
1,4-Dichlorobenzene	1800	1800	130000		2.8 U	2.7 U	2.7 U	3.1 U	2 U
1,4-Dioxane	100	100	130000		RV	RV	RV	RV	RV
2-Butanone (MEK)	120	120	500000		2.8 U	7	2.7 U	7.1	2 U
2-Hexanone	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
4-Methyl-2-pentanone (MIBK)	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Acetone	50	50	500000		28 UV	42 UV	16 UV	84 UV	37 UV
Benzene	60	60	44000		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Bromochloromethane	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Bromodichloromethane	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Bromoform	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Bromomethane	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Carbon disulfide	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Carbon tetrachloride	760	760	22000		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Chlorobenzene	1100	1100	500000		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Chloroethane	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Chloroform	370	370	350000		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Chloromethane	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
cis-1,2-Dichloroethene	250	250	500000		2.8 U	2.7 U	2.7 U	64	9.2
cis-1,3-Dichloropropene	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Cyclohexane	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Dibromochloromethane	--	--	--		2.8 UJV	2.7 UJV	2.7 UJV	3.1 UJV	2 UJV
Dibromochloropropane	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Dichlorodifluoromethane	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U

Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-2 2/21/2014 18	RSB-3 2/20/2014 8	RSB-3 2/20/2014 18	RSB-4 2/21/2014 8	RSB-4 2/21/2014 18
Ethylbenzene	1000	1000	390000		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Freon 113	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Isopropylbenzene	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
m+p-Xylene	--	--	--		5.6 U	5.3 U	5.4 U	6.3 U	4 U
Methyl acetate	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Methylcyclohexane	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Methylene chloride	50	50	500000		4.5 UV	3.1 UV	5 UV	5.4 UV	3.2 UV
MTBE	930	930	500000		2.8 U	2.7 U	2.7 U	3.1 U	3.3 J
o-Xylene	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Styrene	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Tetrachloroethene	1300	1300	150000		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Toluene	700	700	500000		11	2.7 U	2.7 U	4 J	3.3 J
trans-1,2-Dichloroethene	190	190	500000		2.8 U	2.7 U	2.7 U	3.1 U	2 U
trans-1,3-Dichloropropene	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Trichloroethene	470	470	200000		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Trichlorofluoromethane	--	--	--		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Vinyl chloride	20	20	13000		2.8 U	2.7 U	2.7 U	3.1 U	2 U
Xylenes (total)	260	1600	500000		8.3 U	8 U	8.1 U	9.4 U	6 U

J - Estimated value

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

B - The analyte was found in an associated blank as well as in the sample

NA - Compound was not analyzed by laboratory

D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

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Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-5 2/18/2014 8.5	RSB-5 2/18/2014 18.5	RSB-6 2/18/2014 9	RSB-6 2/18/2014 19	RSB-7 2/19/2014 8.5
1,1,1-Trichloroethane	680	680	500000		2.7 U	2.5 U	2.3 U	2.3 U	3 U
1,1,2,2-Tetrachloroethane	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
1,1,2-Trichloroethane	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
1,1-Dichloroethane	270	270	240000		2.7 U	2.5 U	2.3 U	2.3 U	3 U
1,1-Dichloroethene	330	330	500000		2.7 U	2.5 U	2.3 U	2.3 U	3 U
1,2,3-Trichlorobenzene	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
1,2,4-Trichlorobenzene	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
1,2-Dibromoethane	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
1,2-Dichlorobenzene	1100	1100	500000		2.7 U	2.5 U	2.3 U	2.3 U	3 U
1,2-Dichloroethane	20	20	30000		2.7 U	2.5 U	2.3 U	2.3 U	3 U
1,2-Dichloropropane	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
1,3-Dichlorobenzene	2400	2400	280000		2.7 U	2.5 U	2.3 U	2.3 U	3 U
1,4-Dichlorobenzene	1800	1800	130000		2.7 U	2.5 U	2.3 U	2.3 U	3 U
1,4-Dioxane	100	100	130000		RV	RV	RV	RV	RV
2-Butanone (MEK)	120	120	500000		2.7 U	2.5 U	2.3 U	2.3 U	3 U
2-Hexanone	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
4-Methyl-2-pentanone (MIBK)	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Acetone	50	50	500000		18 UV	20 UV	49 UV	47 UV	38 UV
Benzene	60	60	44000		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Bromochloromethane	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Bromodichloromethane	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Bromoform	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Bromomethane	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Carbon disulfide	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Carbon tetrachloride	760	760	22000		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Chlorobenzene	1100	1100	500000		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Chloroethane	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Chloroform	370	370	350000		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Chloromethane	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
cis-1,2-Dichloroethene	250	250	500000		2.7 U	2.5 U	18	2.3 U	3 U
cis-1,3-Dichloropropene	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Cyclohexane	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Dibromochloromethane	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	RV
Dibromochloropropane	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Dichlorodifluoromethane	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U

Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-5 2/18/2014 8.5	RSB-5 2/18/2014 18.5	RSB-6 2/18/2014 9	RSB-6 2/18/2014 19	RSB-7 2/19/2014 8.5
Ethylbenzene	1000	1000	390000		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Freon 113	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Isopropylbenzene	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
m+p-Xylene	--	--	--		5.3 U	5 U	4.5 U	4.7 U	6.1 U
Methyl acetate	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Methylcyclohexane	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Methylene chloride	50	50	500000		4.6 UV	7 UV	8.4 UV	8.9 UV	4.3 UV
MTBE	930	930	500000		2.7 U	5.1	3.1 J	2.3 U	3 U
o-Xylene	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Styrene	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Tetrachloroethene	1300	1300	150000		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Toluene	700	700	500000		2.7 U	2.5 U	2.3 J	2.4 J	3.2 J
trans-1,2-Dichloroethene	190	190	500000		2.7 U	2.5 U	2.3 U	2.3 U	3 U
trans-1,3-Dichloropropene	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Trichloroethene	470	470	200000		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Trichlorofluoromethane	--	--	--		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Vinyl chloride	20	20	13000		2.7 U	2.5 U	2.3 U	2.3 U	3 U
Xylenes (total)	260	1600	500000		8 U	7.4 U	6.8 U	7 U	9.1 U

J - Estimated value

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

B - The analyte was found in an associated blank as well as in the sample

NA - Compound was not analyzed by laboratory

D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No 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 Protection of Groundwater Standards

Boxed data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

V - Value altered or qualifier added during data validation

R - Sample results rejected by validator

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

NJ - Detection is tentative in identification and estimated in value

Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-7 2/19/2014 18.5	RSB-8 2/19/2014 1.5	RSB-8 2/19/2014 5	RSB-8 2/19/2014 8.5	RSB-8 2/19/2014 18.5
1,1,1-Trichloroethane	680	680	500000		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
1,1,2,2-Tetrachloroethane	--	--	--		2.7 U	3.4 U	2.8 UJV	2.4 U	2.4 U
1,1,2-Trichloroethane	--	--	--		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
1,1-Dichloroethane	270	270	240000		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
1,1-Dichloroethene	330	330	500000		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
1,2,3-Trichlorobenzene	--	--	--		2.7 U	3.4 U	2.8 UJV	2.4 U	2.4 U
1,2,4-Trichlorobenzene	--	--	--		2.7 U	3.4 U	2.8 UJV	2.4 U	2.4 U
1,2-Dibromoethane	--	--	--		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
1,2-Dichlorobenzene	1100	1100	500000		2.7 U	3.4 U	2.8 UJV	2.4 U	2.4 U
1,2-Dichloroethane	20	20	30000		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
1,2-Dichloropropane	--	--	--		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
1,3-Dichlorobenzene	2400	2400	280000		2.7 U	3.4 U	2.8 UJV	2.4 U	2.4 U
1,4-Dichlorobenzene	1800	1800	130000		2.7 U	3.4 U	2.8 UJV	2.4 U	2.4 U
1,4-Dioxane	100	100	130000		RV	RV	RV	RV	RV
2-Butanone (MEK)	120	120	500000		2.7 U	3.4 U	2.8 U	8.5	2.4 U
2-Hexanone	--	--	--		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
4-Methyl-2-pentanone (MIBK)	--	--	--		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
Acetone	50	50	500000		19 UV	54 UV	680 JD	99	27 UV
Benzene	60	60	44000		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
Bromochloromethane	--	--	--		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
Bromodichloromethane	--	--	--		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
Bromoform	--	--	--		2.7 U	3.4 U	2.8 UJV	2.4 U	2.4 U
Bromomethane	--	--	--		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
Carbon disulfide	--	--	--		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
Carbon tetrachloride	760	760	22000		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
Chlorobenzene	1100	1100	500000		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
Chloroethane	--	--	--		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
Chloroform	370	370	350000		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
Chloromethane	--	--	--		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
cis-1,2-Dichloroethene	250	250	500000		2.7 U	3.4 U	2.8 U	3.2 J	2.4 U
cis-1,3-Dichloropropene	--	--	--		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
Cyclohexane	--	--	--		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
Dibromochloromethane	--	--	--		RV	RV	2.8 UJV	2.4 UJV	RV
Dibromochloropropane	--	--	--		2.7 U	3.4 U	2.8 UJV	2.4 U	2.4 U
Dichlorodifluoromethane	--	--	--		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U

Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-7 2/19/2014 18.5	RSB-8 2/19/2014 1.5	RSB-8 2/19/2014 5	RSB-8 2/19/2014 8.5	RSB-8 2/19/2014 18.5
Ethylbenzene	1000	1000	390000		2.7 U	3.4 U	4.3 JV	3 J	2.4 U
Freon 113	--	--	--		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
Isopropylbenzene	--	--	--		2.7 U	3.4 U	2.8 UJV	2.4 U	2.4 U
m+p-Xylene	--	--	--		5.4 U	8.6 J	14 JV	10	5.6 J
Methyl acetate	--	--	--		2.9 J	3.4 U	2.8 U	2.4 U	2.4 U
Methylcyclohexane	--	--	--		2.7 U	3.6 J	2.8 U	3 J	2.4 U
Methylene chloride	50	50	500000		4 UV	8.8 UV	8.5 UV	3.5 UV	5 UV
MTBE	930	930	500000		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
o-Xylene	--	--	--		2.7 U	3.4 U	4.4 JV	4.7	2.4 U
Styrene	--	--	--		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
Tetrachloroethene	1300	1300	150000		2.7 U	3.4 U	23 JV	4.2 J	2.4 U
Toluene	700	700	500000		2.7 U	16	64 JV	46	9.7
trans-1,2-Dichloroethene	190	190	500000		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
trans-1,3-Dichloropropene	--	--	--		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
Trichloroethene	470	470	200000		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
Trichlorofluoromethane	--	--	--		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
Vinyl chloride	20	20	13000		2.7 U	3.4 U	2.8 U	2.4 U	2.4 U
Xylenes (total)	260	1600	500000		8.2 U	12 J	18 JV	15	7.5 J

J - Estimated value

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

B - The analyte was found in an associated blank as well as in the sample

NA - Compound was not analyzed by laboratory

D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No 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 Protection of Groundwater Standards

Boxed data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

V - Value altered or qualifier added during data validation

R - Sample results rejected by validator

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

NJ - Detection is tentative in identification and estimated in value

Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-9 2/19/2014 8.5	RSB-9 2/19/2014 18.5	RSB-10 2/20/2014 7.5	RSB-10 2/20/2014 17.5	RSB-11 2/20/2014 7.5
1,1,1-Trichloroethane	680	680	500000		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
1,1,2,2-Tetrachloroethane	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
1,1,2-Trichloroethane	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
1,1-Dichloroethane	270	270	240000		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
1,1-Dichloroethene	330	330	500000		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
1,2,3-Trichlorobenzene	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
1,2,4-Trichlorobenzene	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
1,2-Dibromoethane	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
1,2-Dichlorobenzene	1100	1100	500000		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
1,2-Dichloroethane	20	20	30000		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
1,2-Dichloropropane	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
1,3-Dichlorobenzene	2400	2400	280000		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
1,4-Dichlorobenzene	1800	1800	130000		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
1,4-Dioxane	100	100	130000		RV	RV	RV	RV	RV
2-Butanone (MEK)	120	120	500000		2.1 UJV	2.5 U	2 U	2.6 U	9.2
2-Hexanone	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
4-Methyl-2-pentanone (MIBK)	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Acetone	50	50	500000		64 U V	35 UV	14 UV	25 UV	35 UV
Benzene	60	60	44000		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Bromochloromethane	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Bromodichloromethane	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Bromoform	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Bromomethane	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Carbon disulfide	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Carbon tetrachloride	760	760	22000		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Chlorobenzene	1100	1100	500000		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Chloroethane	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Chloroform	370	370	350000		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Chloromethane	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
cis-1,2-Dichloroethene	250	250	500000		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
cis-1,3-Dichloropropene	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Cyclohexane	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Dibromochloromethane	--	--	--		RV	RV	2 UJV	2.6 UJV	2.8 UJV
Dibromochloropropane	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Dichlorodifluoromethane	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U

Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-9 2/19/2014 8.5	RSB-9 2/19/2014 18.5	RSB-10 2/20/2014 7.5	RSB-10 2/20/2014 17.5	RSB-11 2/20/2014 7.5
Ethylbenzene	1000	1000	390000		78 JV	2.5 U	2 U	2.6 U	2.8 U
Freon 113	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Isopropylbenzene	--	--	--		81 JV	2.5 U	2 U	2.6 U	2.8 U
m+p-Xylene	--	--	--		16 JV	5 U	4.1 U	5.2 U	5.6 U
Methyl acetate	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Methylcyclohexane	--	--	--		100 JV	2.5 U	2 U	2.6 U	2.8 U
Methylene chloride	50	50	500000		2.1 UJV	6.7 UV	3.5 UV	3.7 UV	6.5 UV
MTBE	930	930	500000		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
o-Xylene	--	--	--		18 JV	2.5 U	2 U	2.6 U	2.8 U
Styrene	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Tetrachloroethene	1300	1300	150000		170 JV	2.5 U	2 U	2.6 U	2.8 U
Toluene	700	700	500000		15 JV	3.7 J	2 U	2.6 U	2.8 U
trans-1,2-Dichloroethene	190	190	500000		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
trans-1,3-Dichloropropene	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Trichloroethene	470	470	200000		9.7 JV	2.5 U	2 U	2.6 U	2.8 U
Trichlorofluoromethane	--	--	--		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Vinyl chloride	20	20	13000		2.1 UJV	2.5 U	2 U	2.6 U	2.8 U
Xylenes (total)	260	1600	500000		34 JV	7.6 U	6.1 U	7.8 U	8.5 U

J - Estimated value

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

B - The analyte was found in an associated blank as well as in the sample

NA - Compound was not analyzed by laboratory

D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No 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 Protection of Groundwater Standards

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V - Value altered or qualifier added during data validation

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UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

NJ - Detection is tentative in identification and estimated in value

Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-11 2/20/2014 7.5	RSB-11 2/20/2014 17.5	RSB-12 2/12/2014 9	RSB-12 2/12/2014 18	RSB-13 2/12/2014 9
1,1,1-Trichloroethane	680	680	500000		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
1,1,2,2-Tetrachloroethane	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
1,1,2-Trichloroethane	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
1,1-Dichloroethane	270	270	240000		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
1,1-Dichloroethene	330	330	500000		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
1,2,3-Trichlorobenzene	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
1,2,4-Trichlorobenzene	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
1,2-Dibromoethane	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
1,2-Dichlorobenzene	1100	1100	500000		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
1,2-Dichloroethane	20	20	30000		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
1,2-Dichloropropane	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
1,3-Dichlorobenzene	2400	2400	280000		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
1,4-Dichlorobenzene	1800	1800	130000		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
1,4-Dioxane	100	100	130000		RV	RV	RV	RV	RV
2-Butanone (MEK)	120	120	500000		13	15	1.5 U	2.5 U	2.1 U
2-Hexanone	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
4-Methyl-2-pentanone (MIBK)	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Acetone	50	50	500000		40 UV	94 UV	7 UV	9.2 UV	15 UV
Benzene	60	60	44000		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Bromochloromethane	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Bromodichloromethane	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Bromoform	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Bromomethane	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 UJ
Carbon disulfide	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Carbon tetrachloride	760	760	22000		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Chlorobenzene	1100	1100	500000		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Chloroethane	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Chloroform	370	370	350000		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Chloromethane	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
cis-1,2-Dichloroethene	250	250	500000		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
cis-1,3-Dichloropropene	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Cyclohexane	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Dibromochloromethane	--	--	--		2.3 UJ	3.5 UJ	1.5 U	2.5 U	2.1 U
Dibromochloropropane	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Dichlorodifluoromethane	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U

Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation:	RSB-11	RSB-11	RSB-12	RSB-12	RSB-13
				Sample Date:	2/20/2014	2/20/2014	2/12/2014	2/12/2014	2/12/2014
				Sample Depth (ft bls):	7.5	17.5	9	18	9
Ethylbenzene	1000	1000	390000		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Freon 113	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Isopropylbenzene	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
m+p-Xylene	--	--	--		4.6 U	7 U	3.1 U	4.9 U	4.3 U
Methyl acetate	--	--	--		3.2 J	17	1.5 U	2.5 U	2.1 U
Methylcyclohexane	--	--	--		3.9 J	3.5 U	1.5 U	2.5 U	2.1 U
Methylene chloride	50	50	500000		3.7 UV	5 UV	2.7 UV	2.5 U	2.1 U
MTBE	930	930	500000		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
o-Xylene	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Styrene	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Tetrachloroethene	1300	1300	150000		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Toluene	700	700	500000		10	3.5 U	1.5 U	2.5 U	2.1 U
trans-1,2-Dichloroethene	190	190	500000		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
trans-1,3-Dichloropropene	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Trichloroethene	470	470	200000		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Trichlorofluoromethane	--	--	--		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Vinyl chloride	20	20	13000		2.3 U	3.5 U	1.5 U	2.5 U	2.1 U
Xylenes (total)	260	1600	500000		7 U	10 U	4.6 U	7.4 U	6.4 U

J - Estimated value

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

B - The analyte was found in an associated blank as well as in the sample

NA - Compound was not analyzed by laboratory

D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No 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 Protection of Groundwater Standards

Boxed data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

V - Value altered or qualifier added during data validation

R - Sample results rejected by validator

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

NJ - Detection is tentative in identification and estimated in value

Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-13 2/12/2014 9	RSB-13 2/12/2014 19	RSB-14/4D 2/10/2014 2.5	RSB-14/4D 2/10/2014 5	RSB-14/4D 2/10/2014 10
1,1,1-Trichloroethane	680	680	500000		1.2 U	1.8 U	2.8 U	3.3 U	210 U
1,1,2,2-Tetrachloroethane	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
1,1,2-Trichloroethane	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
1,1-Dichloroethane	270	270	240000		1.2 U	1.8 U	2.8 U	3.3 U	210 U
1,1-Dichloroethene	330	330	500000		1.2 U	1.8 U	2.8 U	3.3 U	210 U
1,2,3-Trichlorobenzene	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
1,2,4-Trichlorobenzene	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
1,2-Dibromoethane	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
1,2-Dichlorobenzene	1100	1100	500000		1.2 U	1.8 U	2.8 U	3.3 U	210 U
1,2-Dichloroethane	20	20	30000		1.2 U	1.8 U	2.8 U	3.3 U	210 U
1,2-Dichloropropane	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
1,3-Dichlorobenzene	2400	2400	280000		1.2 U	1.8 U	2.8 U	3.3 U	210 U
1,4-Dichlorobenzene	1800	1800	130000		1.2 U	1.8 U	2.8 U	3.3 U	210 U
1,4-Dioxane	100	100	130000		RV	RV	RV	RV	RV
2-Butanone (MEK)	120	120	500000		2.5	1.8 U	12	3.3 U	1800 D
2-Hexanone	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
4-Methyl-2-pentanone (MIBK)	--	--	--		1.2 U	1.8 U	4.2 J	3.3 U	210 U
Acetone	50	50	500000		8.9 UV	5.3 UV	190 UV	50 UV	1300 UV
Benzene	60	60	44000		1.2 U	1.8 U	2.8 U	3.3 U	1200 D
Bromochloromethane	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
Bromodichloromethane	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
Bromoform	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
Bromomethane	--	--	--		1.2 UJV	1.8 UJV	2.8 U	3.3 U	210 U
Carbon disulfide	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
Carbon tetrachloride	760	760	22000		1.2 U	1.8 U	2.8 U	3.3 U	210 U
Chlorobenzene	1100	1100	500000		1.2 U	1.8 U	2.8 U	3.3 U	210 U
Chloroethane	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
Chloroform	370	370	350000		1.2 U	1.8 U	2.8 U	3.3 U	210 U
Chloromethane	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
cis-1,2-Dichloroethene	250	250	500000		1.2 U	1.8 U	2.8 U	3.3 U	2900 D
cis-1,3-Dichloropropene	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
Cyclohexane	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	3200 D
Dibromochloromethane	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
Dibromochloropropane	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
Dichlorodifluoromethane	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U

Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation:	RSB-13	RSB-13	RSB-14/4D	RSB-14/4D	RSB-14/4D
				Sample Date:	2/12/2014	2/12/2014	2/10/2014	2/10/2014	2/10/2014
				Sample Depth (ft bls):	9	19	2.5	5	10
Ethylbenzene	1000	1000	390000		1.2 U	1.8 U	2.8 U	3.3 U	6700 D
Freon 113	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
Isopropylbenzene	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	820 D
m+p-Xylene	--	--	--		2.3 U	3.6 U	5.7 U	6.5 U	22000 D
Methyl acetate	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
Methylcyclohexane	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	2200 D
Methylene chloride	50	50	500000		1.2 U	1.8 U	2.8 U	3.3 U	210 U
MTBE	930	930	500000		1.2 U	1.8 U	2.8 U	3.3 U	420 JD
o-Xylene	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	10000 D
Styrene	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
Tetrachloroethene	1300	1300	150000		1.2 U	1.8 U	2.8 U	4 J	930 D
Toluene	700	700	500000		1.2 U	1.8 U	5.1 J	3.3 U	30000 D
trans-1,2-Dichloroethene	190	190	500000		1.2 U	1.8 U	2.8 U	3.3 U	210 U
trans-1,3-Dichloropropene	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
Trichloroethene	470	470	200000		1.2 U	1.8 U	2.8 U	3.3 U	590 D
Trichlorofluoromethane	--	--	--		1.2 U	1.8 U	2.8 U	3.3 U	210 U
Vinyl chloride	20	20	13000		1.2 U	1.8 U	2.8 U	3.3 U	210 U
Xylenes (total)	260	1600	500000		3.5 U	5.5 U	8.5 U	9.8 U	32000 D

J - Estimated value

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

B - The analyte was found in an associated blank as well as in the sample

NA - Compound was not analyzed by laboratory

D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No Standards available

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Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-14/4D 2/10/2014 38	RSB/MW-14 9/10/2014 12	RSB/MW-14 9/10/2014 17	RSB/MW-14 9/9/2014 1
1,1,1-Trichloroethane	680	680	500000		2.4 U	220 U	2.1 U	2 U
1,1,2,2-Tetrachloroethane	--	--	--		2.4 U	220 U	2.1 U	2 U
1,1,2-Trichloroethane	--	--	--		2.4 U	220 U	2.1 U	2 U
1,1-Dichloroethane	270	270	240000		2.4 U	220 U	2.1 U	2 U
1,1-Dichloroethene	330	330	500000		2.4 U	220 U	2.1 U	2 U
1,2,3-Trichlorobenzene	--	--	--		2.4 U	220 U	2.1 U	2 U
1,2,4-Trichlorobenzene	--	--	--		2.4 U	220 U	2.1 U	2 U
1,2-Dibromoethane	--	--	--		2.4 U	220 U	2.1 U	2 U
1,2-Dichlorobenzene	1100	1100	500000		2.4 U	220 U	2.1 U	2 U
1,2-Dichloroethane	20	20	30000		2.4 U	220 U	2.1 U	2 U
1,2-Dichloropropane	--	--	--		2.4 U	220 U	2.1 U	2 U
1,3-Dichlorobenzene	2400	2400	280000		2.4 U	220 U	2.1 U	2 U
1,4-Dichlorobenzene	1800	1800	130000		2.4 U	220 U	2.1 U	2 U
1,4-Dioxane	100	100	130000		RV	4300 U	43 U	41 U
2-Butanone (MEK)	120	120	500000		2.4 U	450 BD	2.1 U	2.8 J
2-Hexanone	--	--	--		2.4 U	220 U	2.1 U	2 U
4-Methyl-2-pentanone (MIBK)	--	--	--		2.4 U	220 U	2.1 U	2 U
Acetone	50	50	500000		100 UV	4400 BD	2.1 U	40
Benzene	60	60	44000		2.4 U	220 U	2.1 U	2 U
Bromochloromethane	--	--	--		2.4 U	220 U	2.1 U	2 U
Bromodichloromethane	--	--	--		2.4 U	220 U	2.1 U	2 U
Bromoform	--	--	--		2.4 U	220 U	2.1 U	2 U
Bromomethane	--	--	--		2.4 U	220 U	2.1 U	2 U
Carbon disulfide	--	--	--		2.4 U	220 U	2.1 U	2 U
Carbon tetrachloride	760	760	22000		2.4 U	220 U	2.1 U	2 U
Chlorobenzene	1100	1100	500000		2.4 U	220 U	2.1 U	2 U
Chloroethane	--	--	--		2.4 U	220 U	2.1 U	2 U
Chloroform	370	370	350000		2.4 U	220 U	2.1 U	2 U
Chloromethane	--	--	--		2.4 U	220 U	2.1 U	2 UJV
cis-1,2-Dichloroethene	250	250	500000		2.4 U	220 U	3.7 J	2 U
cis-1,3-Dichloropropene	--	--	--		2.4 U	220 U	2.1 U	2 U
Cyclohexane	--	--	--		2.4 U	220 U	2.1 U	2 U
Dibromochloromethane	--	--	--		2.4 U	220 U	2.1 U	2 U
Dibromochloropropane	--	--	--		2.4 U	220 U	2.1 U	2 U
Dichlorodifluoromethane	--	--	--		2.4 U	220 U	2.1 U	2 UJV

Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-14/4D 2/10/2014 38	RSB/MW-14 9/10/2014 12	RSB/MW-14 9/10/2014 17	RSB/MW-14 9/9/2014 1
Ethylbenzene	1000	1000	390000		2.4 U	1200 D	24	2 U
Freon 113	--	--	--		2.4 U	220 U	2.1 U	2 U
Isopropylbenzene	--	--	--		2.4 U	220 U	2.9 J	2 U
m+p-Xylene	--	--	--		6.2 J	4700 D	89	4.1 U
Methyl acetate	--	--	--		2.4 U	220 U	4.9	2 U
Methylcyclohexane	--	--	--		2.4 U	220 U	5.6	2 U
Methylene chloride	50	50	500000		2.4 U	220 U	2.1 U	2 U
MTBE	930	930	500000		2.4 U	220 U	2.1 U	2 U
o-Xylene	--	--	--		2.4 U	1200 D	27	2 U
Styrene	--	--	--		2.4 U	220 U	2.1 U	2 U
Tetrachloroethene	1300	1300	150000		2.4 U	220 U	2.1 U	2 U
Toluene	700	700	500000		12	930 D	23	2 U
trans-1,2-Dichloroethene	190	190	500000		2.4 U	220 U	2.1 U	2 U
trans-1,3-Dichloropropene	--	--	--		2.4 U	220 U	2.1 U	2 U
Trichloroethene	470	470	200000		2.4 U	220 U	2.1 U	2 U
Trichlorofluoromethane	--	--	--		2.4 U	220 U	2.1 U	2 U
Vinyl chloride	20	20	13000		2.4 U	220 U	2.1 U	2 U
Xylenes (total)	260	1600	500000		8.4 J	5800 D	120	6.1 U

J - Estimated value

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

B - The analyte was found in an associated blank as well as in the sample

NA - Compound was not analyzed by laboratory

D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

µg/kg - Micrograms per kilogram

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Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB/MW-15 9/10/2014 4	RSB/MW-15 9/10/2014 4	RSB/MW-15 9/10/2014 10	RSB/MW-15 9/10/2014 14
1,1,1-Trichloroethane	680	680	500000		2.4 U	2.3 U	240 U	2.3 U
1,1,2,2-Tetrachloroethane	--	--	--		2.4 U	2.3 U	240 U	2.3 U
1,1,2-Trichloroethane	--	--	--		2.4 U	2.3 U	240 U	2.3 U
1,1-Dichloroethane	270	270	240000		2.4 U	2.3 U	240 U	2.3 U
1,1-Dichloroethene	330	330	500000		2.4 U	2.3 U	240 U	2.3 U
1,2,3-Trichlorobenzene	--	--	--		2.4 U	2.3 U	240 U	2.3 U
1,2,4-Trichlorobenzene	--	--	--		2.4 U	2.3 U	240 U	2.3 U
1,2-Dibromoethane	--	--	--		2.4 U	2.3 U	240 U	2.3 U
1,2-Dichlorobenzene	1100	1100	500000		2.4 U	2.3 U	240 U	2.3 U
1,2-Dichloroethane	20	20	30000		2.4 U	2.3 U	240 U	2.3 U
1,2-Dichloropropane	--	--	--		2.4 U	2.3 U	240 U	2.3 U
1,3-Dichlorobenzene	2400	2400	280000		2.4 U	2.3 U	240 U	2.3 U
1,4-Dichlorobenzene	1800	1800	130000		2.4 U	2.3 U	240 U	2.3 U
1,4-Dioxane	100	100	130000		48 U	46 U	4800 U	47 U
2-Butanone (MEK)	120	120	500000		3.6 J	2.3 U	240 U	2.3 U
2-Hexanone	--	--	--		2.4 U	2.3 U	240 U	2.3 UV
4-Methyl-2-pentanone (MIBK)	--	--	--		2.4 U	2.3 U	240 U	2.3 U
Acetone	50	50	500000		43 UV	44 UV	240 U	12 UV
Benzene	60	60	44000		2.4 U	2.3 U	240 U	2.3 U
Bromochloromethane	--	--	--		2.4 U	2.3 U	240 U	2.3 U
Bromodichloromethane	--	--	--		2.4 U	2.3 U	240 U	2.3 U
Bromoform	--	--	--		2.4 U	2.3 U	240 U	2.3 U
Bromomethane	--	--	--		2.4 U	2.3 U	240 U	2.3 U
Carbon disulfide	--	--	--		2.4 U	2.3 U	240 U	2.3 U
Carbon tetrachloride	760	760	22000		2.4 U	2.3 U	240 U	2.3 U
Chlorobenzene	1100	1100	500000		2.4 U	2.3 U	240 U	2.3 U
Chloroethane	--	--	--		2.4 U	2.3 U	240 U	2.3 U
Chloroform	370	370	350000		2.4 U	2.3 U	240 U	2.3 U
Chloromethane	--	--	--		2.4 U	2.3 U	240 U	2.3 U
cis-1,2-Dichloroethene	250	250	500000		2.4 U	2.3 U	2300 D	2.3 U
cis-1,3-Dichloropropene	--	--	--		2.4 U	2.3 U	240 U	2.3 U
Cyclohexane	--	--	--		2.4 U	2.3 U	240 U	2.3 U
Dibromochloromethane	--	--	--		2.4 U	2.3 U	240 U	2.3 U
Dibromochloropropane	--	--	--		2.4 U	2.3 U	240 U	2.3 U
Dichlorodifluoromethane	--	--	--		2.4 U	2.3 U	240 U	2.3 U

Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB/MW-15 9/10/2014 4	RSB/MW-15 9/10/2014 4	RSB/MW-15 9/10/2014 10	RSB/MW-15 9/10/2014 14
Ethylbenzene	1000	1000	390000		2.4 U	2.3 U	5700 D	2.3 U
Freon 113	--	--	--		2.4 U	2.3 U	240 U	2.3 U
Isopropylbenzene	--	--	--		2.4 U	2.3 U	450 JD	2.3 U
m+p-Xylene	--	--	--		4.8 U	4.6 U	21000 D	4.7 U
Methyl acetate	--	--	--		2.4 U	2.3 U	240 U	2.3 U
Methylcyclohexane	--	--	--		2.4 U	2.3 U	1000 D	2.3 U
Methylene chloride	50	50	500000		2.4 U	2.3 U	240 U	2.3 U
MTBE	930	930	500000		2.4 U	2.3 U	240 U	2.3 U
o-Xylene	--	--	--		2.4 U	2.3 U	6400 D	2.3 U
Styrene	--	--	--		2.4 U	2.3 U	240 U	2.3 U
Tetrachloroethene	1300	1300	150000		3.3 J	2.3 U	240 U	2.3 U
Toluene	700	700	500000		2.4 U	2.3 U	100000 D	2.3 U
trans-1,2-Dichloroethene	190	190	500000		2.4 U	2.3 U	240 U	2.3 U
trans-1,3-Dichloropropene	--	--	--		2.4 U	2.3 U	240 U	2.3 U
Trichloroethene	470	470	200000		2.4 U	2.3 U	240 U	2.3 U
Trichlorofluoromethane	--	--	--		2.4 U	2.3 U	240 U	2.3 U
Vinyl chloride	20	20	13000		2.4 U	2.3 U	240 U	2.3 U
Xylenes (total)	260	1600	500000		7.2 U	6.9 U	28000 D	7 U

J - Estimated value

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

B - The analyte was found in an associated blank as well as in the sample

NA - Compound was not analyzed by laboratory

D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No 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 Protection of Groundwater Standards

Boxed data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

V - Value altered or qualifier added during data validation

R - Sample results rejected by validator

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

NJ - Detection is tentative in identification and estimated in value

Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB/MW-16 9/9/2014 1	RSB/MW-16 9/9/2014 11	RSB/MW-16 9/9/2014 17	RSB/MW-17 9/10/2014 1
1,1,1-Trichloroethane	680	680	500000		2.3 U	390 U	2.3 U	2.3 U
1,1,2,2-Tetrachloroethane	--	--	--		2.3 U	390 U	2.3 U	2.3 U
1,1,2-Trichloroethane	--	--	--		2.3 U	390 U	2.3 U	2.3 U
1,1-Dichloroethane	270	270	240000		2.3 U	390 U	2.3 U	2.3 U
1,1-Dichloroethene	330	330	500000		2.3 U	390 U	2.3 U	2.3 U
1,2,3-Trichlorobenzene	--	--	--		2.3 U	390 U	2.3 U	2.3 U
1,2,4-Trichlorobenzene	--	--	--		2.3 U	390 U	2.3 U	2.3 U
1,2-Dibromoethane	--	--	--		2.3 U	390 U	2.3 U	2.3 U
1,2-Dichlorobenzene	1100	1100	500000		2.3 U	390 U	2.3 U	2.3 U
1,2-Dichloroethane	20	20	30000		2.3 U	390 U	2.3 U	2.3 U
1,2-Dichloropropane	--	--	--		2.3 U	390 U	2.3 U	2.3 U
1,3-Dichlorobenzene	2400	2400	280000		2.3 U	390 U	2.3 U	2.3 U
1,4-Dichlorobenzene	1800	1800	130000		2.3 U	390 U	2.3 U	2.3 U
1,4-Dioxane	100	100	130000		45 U	7800 U	46 U	46 U
2-Butanone (MEK)	120	120	500000		2.3 U	390 U	2.3 U	2.3 U
2-Hexanone	--	--	--		2.3 U	390 U	2.3 U	2.3 U
4-Methyl-2-pentanone (MIBK)	--	--	--		2.3 U	390 U	2.3 U	2.3 J
Acetone	50	50	500000		9.9	390 U	20	10 UV
Benzene	60	60	44000		2.3 U	390 U	2.3 U	2.3 U
Bromochloromethane	--	--	--		2.3 U	390 U	2.3 U	2.3 U
Bromodichloromethane	--	--	--		2.3 U	390 U	2.3 U	2.3 U
Bromoform	--	--	--		2.3 U	390 U	2.3 U	2.3 U
Bromomethane	--	--	--		2.3 U	390 U	2.3 U	2.3 U
Carbon disulfide	--	--	--		2.3 U	390 U	2.3 U	2.3 U
Carbon tetrachloride	760	760	22000		2.3 U	390 U	2.3 U	2.3 U
Chlorobenzene	1100	1100	500000		2.3 U	390 U	2.3 U	2.3 U
Chloroethane	--	--	--		2.3 U	390 U	2.3 U	2.3 U
Chloroform	370	370	350000		2.3 U	390 U	2.3 U	2.3 U
Chloromethane	--	--	--		2.3 UJV	390 UJV	2.3 UJV	2.3 U
cis-1,2-Dichloroethene	250	250	500000		2.3 U	4100 D	8.7	8.2
cis-1,3-Dichloropropene	--	--	--		2.3 U	390 U	2.3 U	2.3 U
Cyclohexane	--	--	--		2.3 U	390 U	2.3 U	2.3 U
Dibromochloromethane	--	--	--		2.3 U	390 U	2.3 U	2.3 U
Dibromochloropropane	--	--	--		2.3 U	390 U	2.3 U	2.3 U
Dichlorodifluoromethane	--	--	--		2.3 UJV	390 UJV	2.3 UJV	2.3 U

Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB/MW-16 9/9/2014 1	RSB/MW-16 9/9/2014 11	RSB/MW-16 9/9/2014 17	RSB/MW-17 9/10/2014 1
Ethylbenzene	1000	1000	390000		2.3 U	4500 D	2.3 U	11
Freon 113	--	--	--		2.3 U	390 U	2.3 U	2.3 U
Isopropylbenzene	--	--	--		2.3 U	390 U	2.3 U	2.3 U
m+p-Xylene	--	--	--		5.4 J	15000 D	4.6 U	39
Methyl acetate	--	--	--		2.3 U	390 U	2.3 U	2.3 U
Methylcyclohexane	--	--	--		2.3 U	860 D	2.3 U	2.3 U
Methylene chloride	50	50	500000		2.3 U	390 U	2.3 U	2.3 U
MTBE	930	930	500000		2.3 U	390 U	2.3 U	2.3 U
o-Xylene	--	--	--		2.4 J	5400 D	2.3 U	17
Styrene	--	--	--		2.3 U	390 U	2.3 U	2.3 U
Tetrachloroethene	1300	1300	150000		5.4	390 U	2.3 U	2.3 U
Toluene	700	700	500000		2.3 U	70000 D	27	85
trans-1,2-Dichloroethene	190	190	500000		2.3 U	390 U	2.3 U	2.3 U
trans-1,3-Dichloropropene	--	--	--		2.3 U	390 U	2.3 U	2.3 U
Trichloroethene	470	470	200000		2.3 U	390 U	2.3 U	2.3 U
Trichlorofluoromethane	--	--	--		2.3 U	390 U	2.3 U	2.3 U
Vinyl chloride	20	20	13000		2.3 U	390 U	2.3 U	2.3 U
Xylenes (total)	260	1600	500000		7.8 J	20000 D	6.9 U	56

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Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB/MW-17 9/10/2014 13	RSB/MW-17 9/10/2014 17
1,1,1-Trichloroethane	680	680	500000		220 U	2.5 U
1,1,2,2-Tetrachloroethane	--	--	--		220 U	2.5 U
1,1,2-Trichloroethane	--	--	--		220 U	2.5 U
1,1-Dichloroethane	270	270	240000		220 U	2.5 U
1,1-Dichloroethene	330	330	500000		220 U	2.5 U
1,2,3-Trichlorobenzene	--	--	--		220 U	2.5 U
1,2,4-Trichlorobenzene	--	--	--		220 U	2.5 U
1,2-Dibromoethane	--	--	--		220 U	2.5 U
1,2-Dichlorobenzene	1100	1100	500000		220 U	2.5 U
1,2-Dichloroethane	20	20	30000		220 U	2.5 U
1,2-Dichloropropane	--	--	--		220 U	2.5 U
1,3-Dichlorobenzene	2400	2400	280000		220 U	2.5 U
1,4-Dichlorobenzene	1800	1800	130000		220 U	2.5 U
1,4-Dioxane	100	100	130000		4500 U	50 U
2-Butanone (MEK)	120	120	500000		220 U	2.5 U
2-Hexanone	--	--	--		220 U	2.5 U
4-Methyl-2-pentanone (MIBK)	--	--	--		220 U	2.5 U
Acetone	50	50	500000		340 UV	2.5 UV
Benzene	60	60	44000		220 U	2.5 U
Bromochloromethane	--	--	--		220 U	2.5 U
Bromodichloromethane	--	--	--		220 U	2.5 U
Bromoform	--	--	--		220 U	2.5 U
Bromomethane	--	--	--		220 U	2.5 U
Carbon disulfide	--	--	--		220 U	2.5 U
Carbon tetrachloride	760	760	22000		220 U	2.5 U
Chlorobenzene	1100	1100	500000		220 U	2.5 U
Chloroethane	--	--	--		220 U	2.5 U
Chloroform	370	370	350000		220 U	2.5 U
Chloromethane	--	--	--		220 U	2.5 U
cis-1,2-Dichloroethene	250	250	500000		330 JD	2.5 U
cis-1,3-Dichloropropene	--	--	--		220 U	2.5 U
Cyclohexane	--	--	--		220 U	2.5 U
Dibromochloromethane	--	--	--		220 U	2.5 U
Dibromochloropropane	--	--	--		220 U	2.5 U
Dichlorodifluoromethane	--	--	--		220 U	2.5 U

Table 2. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB/MW-17 9/10/2014 13	RSB/MW-17 9/10/2014 17
Ethylbenzene	1000	1000	390000		2900 D	2.5 U
Freon 113	--	--	--		220 U	2.5 U
Isopropylbenzene	--	--	--		330 JD	2.5 U
m+p-Xylene	--	--	--		10000 D	5 U
Methyl acetate	--	--	--		220 U	7.6
Methylcyclohexane	--	--	--		410 JD	2.5 U
Methylene chloride	50	50	500000		220 U	2.5 U
MTBE	930	930	500000		220 U	2.5 U
o-Xylene	--	--	--		3700 D	2.5 U
Styrene	--	--	--		220 U	2.5 U
Tetrachloroethene	1300	1300	150000		220 U	2.5 U
Toluene	700	700	500000		27000 D	10 UV
trans-1,2-Dichloroethene	190	190	500000		220 U	2.5 U
trans-1,3-Dichloropropene	--	--	--		220 U	2.5 U
Trichloroethene	470	470	200000		220 U	2.5 U
Trichlorofluoromethane	--	--	--		220 U	2.5 U
Vinyl chloride	20	20	13000		220 U	2.5 U
Xylenes (total)	260	1600	500000		14000 D	7.5 U

J - Estimated value

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Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-1 2/20/2014 10	RSB-1 2/20/2014 20	RSB-2 2/21/2014 1	RSB-2 2/21/2014 5	RSB-2 2/21/2014 11
1,1'-Biphenyl	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
1,2,4,5-Tetrachlorobenzene	--	--	--		96 U	99.3 U	2320 U	928 U	9610 U
2,2'-oxybis (1-chloropropane)	--	--	--		48 UJV	49.6 UJV	1160 U	464 U	4800 U
2,4,5-Trichlorophenol	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
2,4,6-Trichlorophenol	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
2,4-Dichlorophenol	--	--	--		96 U	99.3 U	2320 U	928 U	9610 U
2,4-Dimethylphenol	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
2,4-Dinitrophenol	--	--	--		191 U	197 U	4600 U	1850 U	19100 U
2,4-Dinitrotoluene	--	--	--		96 U	99.3 U	2320 U	928 U	9610 U
2,6-Dinitrotoluene	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
2-Chloronaphthalene	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
2-Chlorophenol	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
2-Methylnaphthalene	--	--	--		48 U	49.6 U	1160 U	464 U	13000 JD
2-Methylphenol	330	330	500000		96 U	99.3 U	2320 U	928 U	9610 U
2-Nitroaniline	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
2-Nitrophenol	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
3&4-Methylphenol	330	330	500000		96 U	99.3 U	2320 U	928 U	9610 U
3,3'-Dichlorobenzidine	--	--	--		191 UJV	197 UJV	4600 U	1850 U	19100 U
3-Nitroaniline	--	--	--		96 U	99.3 U	2320 U	928 U	9610 U
4,6-Dinitro-2-methylphenol	--	--	--		96 U	99.3 U	2320 U	928 U	9610 U
4-Bromophenyl phenyl ether	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
4-Chloro-3-methylphenol	--	--	--		96 U	99.3 U	2320 U	928 U	9610 U
4-Chloroaniline	--	--	--		96 UJV	99.3 UJV	2320 U	928 U	9610 U
4-Chlorophenyl phenyl ether	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
4-Nitroaniline	--	--	--		96 U	99.3 U	2320 U	928 U	9610 U
4-Nitrophenol	--	--	--		96 U	99.3 U	2320 U	928 U	9610 U
Acenaphthene	20000	98000	500000		48 U	49.6 U	1160 U	464 U	4800 U
Acenaphthylene	100000	107000	500000		48 U	49.6 U	1160 U	464 U	4800 U
Acetophenone	--	--	--		48 UJV	49.6 UJV	1160 U	464 U	4800 U
Anthracene	100000	1000000	500000		48 U	49.6 U	2590 JD	464 U	4800 U
Atrazine	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-1 2/20/2014 10	RSB-1 2/20/2014 20	RSB-2 2/21/2014 1	RSB-2 2/21/2014 5	RSB-2 2/21/2014 11
Benzaldehyde	--	--	--		48 UJV	49.6 UJV	1160 U	464 U	4800 U
Benzo[a]anthracene	1000	1000	5600		48.4 J	49.6 U	4750 D	943 JD	4800 U
Benzo[a]pyrene	1000	22000	1000		58.6 J	49.6 U	5500 D	1120 JD	4800 U
Benzo[b]fluoranthene	1000	1700	5600		48 U	49.6 U	4110 JD	961 JD	4800 U
Benzo[g,h,i]perylene	100000	1000000	500000		96 U	99.3 U	2320 U	928 U	9610 U
Benzo[k]fluoranthene	800	1700	56000		49.9 J	49.6 U	5080 D	1070 JD	4800 U
Bis(2-chloroethoxy)methane	--	--	--		48 UJV	49.6 UJV	1160 U	464 U	4800 U
Bis(2-chloroethyl) ether	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
Bis(2-ethylhexyl) phthalate	--	--	--		48 UJV	49.6 UJV	1160 U	464 U	4800 U
Butylbenzyl phthalate	--	--	--		48 U	49.6 U	1160 U	464 U	8430 JD
Caprolactam	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
Carbazole	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
Chrysene	1000	1000	56000		52.2 J	49.6 U	4760 D	1000 JD	4800 U
Dibenzo[a,h]anthracene	330	1000000	560		48 U	49.6 U	1160 U	464 U	4800 U
Dibenzofuran	7000	210000	350000		48 U	49.6 U	1160 U	464 U	4800 U
Diethyl phthalate	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
Dimethyl phthalate	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
Di-n-butyl phthalate	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
Di-n-octyl phthalate	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
Fluoranthene	100000	1000000	500000		104 J	49.6 U	11500 D	1810 JD	4800 U
Fluorene	30000	386000	500000		48 U	49.6 U	1200 JD	464 U	4800 U
Hexachlorobenzene	330	3200	6000		48 U	49.6 U	1160 U	464 U	4800 U
Hexachlorobutadiene	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
Hexachlorocyclopentadiene	--	--	--		96 UJV	99.3 UJV	2320 U	928 U	9610 U
Hexachloroethane	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
Indeno[1,2,3-cd]pyrene	500	8200	5600		48 U	49.6 U	1280 JD	464 U	4800 U
Isophorone	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
Naphthalene	12000	12000	500000		48 U	49.6 U	1160 U	464 U	6980 JD
Nitrobenzene	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
n-Nitrosodi-n-propylamine	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U
n-Nitrosodiphenylamine	--	--	--		48 U	49.6 U	1160 U	464 U	4800 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation:	RSB-1	RSB-1	RSB-2	RSB-2	RSB-2
				Sample Date:	2/20/2014	2/20/2014	2/21/2014	2/21/2014	2/21/2014
				Sample Depth (ft bls):	10	20	1	5	11
Pentachlorophenol	800	800	6700		96 U	99.3 U	2320 U	928 U	9610 U
Phenanthrene	100000	1000000	500000		59 J	49.6 U	10100 D	578 JD	4800 U
Phenol	330	330	500000		48 U	49.6 U	1160 U	464 U	4800 U
Pyrene	100000	1000000	500000		93.3 J	49.6 U	11900 D	1870 D	4800 U

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Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-2 2/21/2014 18	RSB-3 2/20/2014 8	RSB-3 2/20/2014 18	RSB-4 2/21/2014 8	RSB-4 2/21/2014 18
1,1'-Biphenyl	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
1,2,4,5-Tetrachlorobenzene	--	--	--		103 U	99.5 U	199 U	98.9 U	103 U
2,2'-oxybis (1-chloropropane)	--	--	--		51.5 UJV	49.8 UJV	99.6 UJV	49.5 UJV	51.3 UJV
2,4,5-Trichlorophenol	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
2,4,6-Trichlorophenol	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
2,4-Dichlorophenol	--	--	--		103 U	99.5 U	199 U	98.9 U	103 U
2,4-Dimethylphenol	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
2,4-Dinitrophenol	--	--	--		205 U	198 U	396 U	197 U	204 U
2,4-Dinitrotoluene	--	--	--		103 U	99.5 U	199 U	98.9 U	103 U
2,6-Dinitrotoluene	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
2-Chloronaphthalene	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
2-Chlorophenol	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
2-Methylnaphthalene	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
2-Methylphenol	330	330	500000		103 U	99.5 U	199 U	98.9 U	103 U
2-Nitroaniline	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
2-Nitrophenol	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
3&4-Methylphenol	330	330	500000		103 U	99.5 U	199 U	98.9 U	103 U
3,3'-Dichlorobenzidine	--	--	--		205 UJV	198 UJV	396 UJV	197 UJV	204 UJV
3-Nitroaniline	--	--	--		103 U	99.5 U	199 U	98.9 U	103 U
4,6-Dinitro-2-methylphenol	--	--	--		103 U	99.5 U	199 U	98.9 U	103 U
4-Bromophenyl phenyl ether	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
4-Chloro-3-methylphenol	--	--	--		103 U	99.5 U	199 U	98.9 U	103 U
4-Chloroaniline	--	--	--		103 UJV	99.5 UJV	199 UJV	98.9 UJV	103 UJV
4-Chlorophenyl phenyl ether	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
4-Nitroaniline	--	--	--		103 U	99.5 U	199 U	98.9 U	103 U
4-Nitrophenol	--	--	--		103 U	99.5 U	199 U	98.9 U	103 U
Acenaphthene	20000	98000	500000		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Acenaphthylene	100000	107000	500000		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Acetophenone	--	--	--		51.5 UJV	49.8 UJV	99.6 UJV	49.5 UJV	51.3 UJV
Anthracene	100000	1000000	500000		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Atrazine	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-2 2/21/2014 18	RSB-3 2/20/2014 8	RSB-3 2/20/2014 18	RSB-4 2/21/2014 8	RSB-4 2/21/2014 18
Benzaldehyde	--	--	--		51.5 UJV	49.8 UJV	99.6 UJV	49.5 UJV	51.3 UJV
Benzo[a]anthracene	1000	1000	5600		51.5 U	49.8 U	232 JD	49.5 U	51.3 U
Benzo[a]pyrene	1000	22000	1000		51.5 U	49.8 U	270 JD	49.5 U	51.3 U
Benzo[b]fluoranthene	1000	1700	5600		51.5 U	49.8 U	233 JD	49.5 U	51.3 U
Benzo[g,h,i]perylene	100000	1000000	500000		103 U	99.5 U	199 U	98.9 U	103 U
Benzo[k]fluoranthene	800	1700	56000		51.5 U	49.8 U	254 JD	49.5 U	51.3 U
Bis(2-chloroethoxy)methane	--	--	--		51.5 UJV	49.8 UJV	99.6 UJV	49.5 UJV	51.3 UJV
Bis(2-chloroethyl) ether	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Bis(2-ethylhexyl) phthalate	--	--	--		51.5 UJV	49.8 UJV	99.6 UJV	49.5 UJV	51.3 UJV
Butylbenzyl phthalate	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Caprolactam	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Carbazole	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Chrysene	1000	1000	56000		51.5 U	49.8 U	247 JD	49.5 U	51.3 U
Dibenzo[a,h]anthracene	330	1000000	560		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Dibenzofuran	7000	210000	350000		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Diethyl phthalate	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Dimethyl phthalate	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Di-n-butyl phthalate	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Di-n-octyl phthalate	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Fluoranthene	100000	1000000	500000		51.5 U	49.8 U	500 D	49.5 U	51.3 U
Fluorene	30000	386000	500000		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Hexachlorobenzene	330	3200	6000		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Hexachlorobutadiene	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Hexachlorocyclopentadiene	--	--	--		103 UJV	99.5 UJV	199 UJV	98.9 UJV	103 UJV
Hexachloroethane	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Indeno[1,2,3-cd]pyrene	500	8200	5600		51.5 U	49.8 U	101 JD	49.5 U	51.3 U
Isophorone	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Naphthalene	12000	12000	500000		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Nitrobenzene	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
n-Nitrosodi-n-propylamine	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
n-Nitrosodiphenylamine	--	--	--		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation:	RSB-2	RSB-3	RSB-3	RSB-4	RSB-4
				Sample Date:	2/21/2014	2/20/2014	2/20/2014	2/21/2014	2/21/2014
				Sample Depth (ft bls):	18	8	18	8	18
Pentachlorophenol	800	800	6700		103 U	99.5 U	199 U	98.9 U	103 U
Phenanthrene	100000	1000000	500000		51.5 U	49.8 U	350 JD	49.5 U	51.3 U
Phenol	330	330	500000		51.5 U	49.8 U	99.6 U	49.5 U	51.3 U
Pyrene	100000	1000000	500000		51.5 U	49.8 U	422 D	49.5 U	51.3 U

J - Estimated value

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

B - The analyte was found in an associated blank as well as in the sample

NA - Compound was not analyzed by laboratory

D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No 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 Protection of Groundwater Standards

Boxed data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

V - Value altered or qualifier added during data validation

R - Sample results rejected by validator

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

NJ - Detection is tentative in identification and estimated in value

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-5 2/18/2014 8.5	RSB-5 2/18/2014 18.5	RSB-6 2/18/2014 9	RSB-6 2/18/2014 19	RSB-7 2/19/2014 8.5
1,1'-Biphenyl	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
1,2,4,5-Tetrachlorobenzene	--	--	--		104 U	95.9 U	95.4 U	97.9 U	98.2 U
2,2'-oxybis (1-chloropropane)	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
2,4,5-Trichlorophenol	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
2,4,6-Trichlorophenol	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
2,4-Dichlorophenol	--	--	--		104 U	95.9 U	95.4 U	97.9 U	98.2 U
2,4-Dimethylphenol	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
2,4-Dinitrophenol	--	--	--		208 U	191 U	190 U	195 U	195 U
2,4-Dinitrotoluene	--	--	--		104 U	95.9 U	95.4 U	97.9 U	98.2 U
2,6-Dinitrotoluene	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
2-Chloronaphthalene	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
2-Chlorophenol	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
2-Methylnaphthalene	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
2-Methylphenol	330	330	500000		104 U	95.9 U	95.4 U	97.9 U	98.2 U
2-Nitroaniline	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
2-Nitrophenol	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
3&4-Methylphenol	330	330	500000		104 U	95.9 U	95.4 U	97.9 U	98.2 U
3,3'-Dichlorobenzidine	--	--	--		208 U	191 U	190 U	195 U	195 U
3-Nitroaniline	--	--	--		104 U	95.9 U	95.4 U	97.9 U	98.2 U
4,6-Dinitro-2-methylphenol	--	--	--		104 U	95.9 U	95.4 U	97.9 U	98.2 U
4-Bromophenyl phenyl ether	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
4-Chloro-3-methylphenol	--	--	--		104 U	95.9 U	95.4 U	97.9 U	98.2 U
4-Chloroaniline	--	--	--		104 UJV	95.9 UJV	95.4 UJV	97.9 UJV	98.2 UJV
4-Chlorophenyl phenyl ether	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
4-Nitroaniline	--	--	--		104 U	95.9 U	95.4 U	97.9 U	98.2 U
4-Nitrophenol	--	--	--		RV	RV	RV	RV	RV
Acenaphthene	20000	98000	500000		52.2 U	48 U	47.7 U	49 U	49.1 U
Acenaphthylene	100000	107000	500000		52.2 U	48 U	47.7 U	49 U	49.1 U
Acetophenone	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
Anthracene	100000	1000000	500000		52.2 U	48 U	47.7 U	49 U	49.1 U
Atrazine	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-5 2/18/2014 8.5	RSB-5 2/18/2014 18.5	RSB-6 2/18/2014 9	RSB-6 2/18/2014 19	RSB-7 2/19/2014 8.5
Benzaldehyde	--	--	--		52.2 UJV	48 UJV	47.7 UJV	49 UJV	49.1 UJV
Benzo[a]anthracene	1000	1000	5600		52.2 U	48 U	104 J	49 U	170 J
Benzo[a]pyrene	1000	22000	1000		55.1 J	48 U	125 J	49 U	192 J
Benzo[b]fluoranthene	1000	1700	5600		52.2 U	48 U	131 J	49 U	194 J
Benzo[g,h,i]perylene	100000	1000000	500000		104 U	95.9 U	95.4 U	97.9 U	98.2 U
Benzo[k]fluoranthene	800	1700	56000		69.6 J	48 U	122 J	49 U	193 J
Bis(2-chloroethoxy)methane	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
Bis(2-chloroethyl) ether	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
Bis(2-ethylhexyl) phthalate	--	--	--		101 J	48 U	47.7 U	49 U	49.1 U
Butylbenzyl phthalate	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
Caprolactam	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
Carbazole	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
Chrysene	1000	1000	56000		56.3 J	48 U	113 J	49 U	179 J
Dibenzo[a,h]anthracene	330	1000000	560		52.2 U	48 U	47.7 U	49 U	49.1 U
Dibenzofuran	7000	210000	350000		52.2 U	48 U	47.7 U	49 U	49.1 U
Diethyl phthalate	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
Dimethyl phthalate	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
Di-n-butyl phthalate	--	--	--		70 J	48 U	47.7 U	100 J	49.1 U
Di-n-octyl phthalate	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
Fluoranthene	100000	1000000	500000		103 J	48 U	198	49 U	325
Fluorene	30000	386000	500000		52.2 U	48 U	47.7 U	49 U	49.1 U
Hexachlorobenzene	330	3200	6000		52.2 U	48 U	47.7 U	49 U	49.1 U
Hexachlorobutadiene	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
Hexachlorocyclopentadiene	--	--	--		104 UJV	95.9 UJV	95.4 UJV	97.9 UJV	98.2 UJV
Hexachloroethane	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
Indeno[1,2,3-cd]pyrene	500	8200	5600		52.2 U	48 U	47.7 U	49 U	54.2 J
Isophorone	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
Naphthalene	12000	12000	500000		52.2 U	48 U	47.7 U	49 U	49.1 U
Nitrobenzene	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
n-Nitrosodi-n-propylamine	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U
n-Nitrosodiphenylamine	--	--	--		52.2 U	48 U	47.7 U	49 U	49.1 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation:	RSB-5	RSB-5	RSB-6	RSB-6	RSB-7
				Sample Date:	2/18/2014	2/18/2014	2/18/2014	2/18/2014	2/19/2014
				Sample Depth (ft bls):	8.5	18.5	9	19	8.5
Pentachlorophenol	800	800	6700		104 U	95.9 U	95.4 U	97.9 U	98.2 U
Phenanthrene	100000	1000000	500000		52.2 U	48 U	106 J	49 U	192 J
Phenol	330	330	500000		52.2 U	48 U	47.7 U	49 U	49.1 U
Pyrene	100000	1000000	500000		94.9 J	48 U	200	49 U	334

J - Estimated value

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

B - The analyte was found in an associated blank as well as in the sample

NA - Compound was not analyzed by laboratory

D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No 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 Protection of Groundwater Standards

Boxed data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

V - Value altered or qualifier added during data validation

R - Sample results rejected by validator

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

NJ - Detection is tentative in identification and estimated in value

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-7 2/19/2014 18.5	RSB-8 2/19/2014 1.5	RSB-8 2/19/2014 5	RSB-8 2/19/2014 8.5	RSB-8 2/19/2014 18.5
1,1'-Biphenyl	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
1,2,4,5-Tetrachlorobenzene	--	--	--		100 U	915 U	951 U	960 U	101 U
2,2'-oxybis (1-chloropropane)	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
2,4,5-Trichlorophenol	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
2,4,6-Trichlorophenol	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
2,4-Dichlorophenol	--	--	--		100 U	915 U	951 U	960 U	101 U
2,4-Dimethylphenol	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
2,4-Dinitrophenol	--	--	--		200 U	1820 U	1890 U	1910 U	200 U
2,4-Dinitrotoluene	--	--	--		100 U	915 U	951 U	960 U	101 U
2,6-Dinitrotoluene	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
2-Chloronaphthalene	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
2-Chlorophenol	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
2-Methylnaphthalene	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
2-Methylphenol	330	330	500000		100 U	915 U	951 U	960 U	101 U
2-Nitroaniline	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
2-Nitrophenol	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
3&4-Methylphenol	330	330	500000		100 U	915 U	951 U	960 U	101 U
3,3'-Dichlorobenzidine	--	--	--		200 U	1820 U	1890 U	1910 U	200 U
3-Nitroaniline	--	--	--		100 U	915 U	951 U	960 U	101 U
4,6-Dinitro-2-methylphenol	--	--	--		100 U	915 U	951 U	960 U	101 U
4-Bromophenyl phenyl ether	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
4-Chloro-3-methylphenol	--	--	--		100 U	915 U	951 U	960 U	101 U
4-Chloroaniline	--	--	--		100 UJV	915 UJV	951 UJV	960 UJV	101 UJV
4-Chlorophenyl phenyl ether	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
4-Nitroaniline	--	--	--		100 U	915 U	951 U	960 U	101 U
4-Nitrophenol	--	--	--		RV	R V	RV	RV	RV
Acenaphthene	20000	98000	500000		50.2 U	457 U	476 U	480 U	50.3 U
Acenaphthylene	100000	107000	500000		50.2 U	457 U	476 U	480 U	50.3 U
Acetophenone	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
Anthracene	100000	1000000	500000		50.2 U	827 JD	1270 JD	625 JD	50.3 U
Atrazine	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375	NYSDEC Part 375	NYSDEC Part 375	Sample Designation:	RSB-7	RSB-8	RSB-8	RSB-8	RSB-8
	Unrestricted	Protection of	Commercial	Sample Date:	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014
	Use	Groundwater	(µg/kg)	Sample Depth (ft bls):	18.5	1.5	5	8.5	18.5
Benzaldehyde	--	--	--		50.2 UJV	457 UJV	476 UJV	480 UJV	50.3 UJV
Benzo[a]anthracene	1000	1000	5600		50.2 U	2580 D	3430 D	1680 JD	50.3 U
Benzo[a]pyrene	1000	22000	1000		50.2 U	2710 D	3510 D	1690 JD	50.3 U
Benzo[b]fluoranthene	1000	1700	5600		50.2 U	2080 D	2750 D	1410 JD	50.3 U
Benzo[g,h,i]perylene	100000	1000000	500000		100 U	1030 JD	1050 JD	960 U	101 U
Benzo[k]fluoranthene	800	1700	56000		50.2 U	2530 D	3490 D	1690 JD	50.3 U
Bis(2-chloroethoxy)methane	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
Bis(2-chloroethyl) ether	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
Bis(2-ethylhexyl) phthalate	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
Butylbenzyl phthalate	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
Caprolactam	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
Carbazole	--	--	--		50.2 U	457 U	517 JD	480 U	50.3 U
Chrysene	1000	1000	56000		50.2 U	2540 D	3420 D	1650 JD	50.3 U
Dibenzo[a,h]anthracene	330	1000000	560		50.2 U	457 U	510 JD	480 U	50.3 U
Dibenzofuran	7000	210000	350000		50.2 U	457 U	476 U	480 U	50.3 U
Diethyl phthalate	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
Dimethyl phthalate	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
Di-n-butyl phthalate	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
Di-n-octyl phthalate	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
Fluoranthene	100000	1000000	500000		50.2 U	5240 D	7200 D	3940 D	50.3 U
Fluorene	30000	386000	500000		50.2 U	457 U	476 JD	480 U	50.3 U
Hexachlorobenzene	330	3200	6000		50.2 U	457 U	476 U	480 U	50.3 U
Hexachlorobutadiene	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
Hexachlorocyclopentadiene	--	--	--		100 UJV	915 UJV	951 UJV	960 UJV	101 UJV
Hexachloroethane	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
Indeno[1,2,3-cd]pyrene	500	8200	5600		50.2 U	929 JD	1050 JD	522 JD	50.3 U
Isophorone	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
Naphthalene	12000	12000	500000		50.2 U	457 U	476 U	480 U	50.3 U
Nitrobenzene	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
n-Nitrosodi-n-propylamine	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U
n-Nitrosodiphenylamine	--	--	--		50.2 U	457 U	476 U	480 U	50.3 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation:	RSB-7	RSB-8	RSB-8	RSB-8	RSB-8
				Sample Date:	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014
				Sample Depth (ft bls):	18.5	1.5	5	8.5	18.5
Pentachlorophenol	800	800	6700		100 U	915 U	951 U	960 U	101 U
Phenanthrene	100000	1000000	500000		50.2 U	2940 D	4930 D	2880 D	50.3 U
Phenol	330	330	500000		50.2 U	457 U	476 U	480 U	50.3 U
Pyrene	100000	1000000	500000		50.2 U	4940 D	6710 D	3690 D	50.3 U

J - Estimated value

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

B - The analyte was found in an associated blank as well as in the sample

NA - Compound was not analyzed by laboratory

D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No 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 Protection of Groundwater Standards

Boxed data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

V - Value altered or qualifier added during data validation

R - Sample results rejected by validator

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

NJ - Detection is tentative in identification and estimated in value

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-9 2/19/2014 8.5	RSB-9 2/19/2014 18.5	RSB-10 2/20/2014 7.5	RSB-10 2/20/2014 17.5	RSB-11 2/20/2014 7.5
1,1'-Biphenyl	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
1,2,4,5-Tetrachlorobenzene	--	--	--		198 UJV	103 U	97 U	99.6 U	95 U
2,2'-oxybis (1-chloropropane)	--	--	--		99.1 U	51.3 U	48.5 UJV	49.8 UJV	47.5 UJV
2,4,5-Trichlorophenol	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
2,4,6-Trichlorophenol	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
2,4-Dichlorophenol	--	--	--		198 U	103 U	97 U	99.6 U	95 U
2,4-Dimethylphenol	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
2,4-Dinitrophenol	--	--	--		394 U	204 U	193 U	198 U	189 U
2,4-Dinitrotoluene	--	--	--		198 U	103 U	97 U	99.6 U	95 U
2,6-Dinitrotoluene	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
2-Chloronaphthalene	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
2-Chlorophenol	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
2-Methylnaphthalene	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
2-Methylphenol	330	330	500000		198 U	103 U	97 U	99.6 U	95 U
2-Nitroaniline	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
2-Nitrophenol	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
3&4-Methylphenol	330	330	500000		198 U	103 U	97 U	99.6 U	95 U
3,3'-Dichlorobenzidine	--	--	--		7860 U	204 U	193 UJV	198 UJV	189 UJV
3-Nitroaniline	--	--	--		198 U	103 U	97 U	99.6 U	95 U
4,6-Dinitro-2-methylphenol	--	--	--		198 U	103 U	97 U	99.6 U	95 U
4-Bromophenyl phenyl ether	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
4-Chloro-3-methylphenol	--	--	--		198 U	103 U	97 U	99.6 U	95 U
4-Chloroaniline	--	--	--		198 UJV	103 UJV	97 UJV	99.6 UJV	95 UJV
4-Chlorophenyl phenyl ether	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
4-Nitroaniline	--	--	--		198 U	103 U	97 U	99.6 U	95 U
4-Nitrophenol	--	--	--		RV	RV	97 U	99.6 U	95 U
Acenaphthene	20000	98000	500000		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
Acenaphthylene	100000	107000	500000		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
Acetophenone	--	--	--		99.1 U	51.3 U	48.5 UJV	49.8 UJV	47.5 UJV
Anthracene	100000	1000000	500000		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
Atrazine	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-9 2/19/2014 8.5	RSB-9 2/19/2014 18.5	RSB-10 2/20/2014 7.5	RSB-10 2/20/2014 17.5	RSB-11 2/20/2014 7.5
Benzaldehyde	--	--	--		99.1 UJV	51.3 UJV	48.5 UJV	49.8 UJV	47.5 UJV
Benzo[a]anthracene	1000	1000	5600		3930 U	51.3 U	48.5 U	88.2 J	47.5 U
Benzo[a]pyrene	1000	22000	1000		3930 U	51.3 U	48.5 U	114 J	47.5 U
Benzo[b]fluoranthene	1000	1700	5600		3930 U	51.3 U	48.5 U	71.2 J	47.5 U
Benzo[g,h,i]perylene	100000	1000000	500000		3930 U	103 U	97 U	99.6 U	95 U
Benzo[k]fluoranthene	800	1700	56000		3930 U	51.3 U	48.5 U	88.5 J	47.5 U
Bis(2-chloroethoxy)methane	--	--	--		99.1 U	51.3 U	48.5 UJV	49.8 UJV	47.5 UJV
Bis(2-chloroethyl) ether	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
Bis(2-ethylhexyl) phthalate	--	--	--		3930 U	51.3 U	48.5 UJV	49.8 UJV	81.5 JV
Butylbenzyl phthalate	--	--	--		3930 U	51.3 U	48.5 U	49.8 U	47.5 U
Caprolactam	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
Carbazole	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
Chrysene	1000	1000	56000		3930 U	51.3 U	48.5 U	92.1 J	47.5 U
Dibenzo[a,h]anthracene	330	1000000	560		3930 U	51.3 U	48.5 U	49.8 U	47.5 U
Dibenzofuran	7000	210000	350000		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
Diethyl phthalate	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
Dimethyl phthalate	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
Di-n-butyl phthalate	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
Di-n-octyl phthalate	--	--	--		3930 U	51.3 U	48.5 U	49.8 U	47.5 U
Fluoranthene	100000	1000000	500000		99.1 U	51.3 U	48.5 U	183 J	47.5 U
Fluorene	30000	386000	500000		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
Hexachlorobenzene	330	3200	6000		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
Hexachlorobutadiene	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
Hexachlorocyclopentadiene	--	--	--		198 UJV	103 UJV	97 UJV	99.6 UJV	95 UJV
Hexachloroethane	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
Indeno[1,2,3-cd]pyrene	500	8200	5600		3930 U	51.3 U	48.5 U	68.8 J	47.5 U
Isophorone	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
Naphthalene	12000	12000	500000		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
Nitrobenzene	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
n-Nitrosodi-n-propylamine	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
n-Nitrosodiphenylamine	--	--	--		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation:	RSB-9	RSB-9	RSB-10	RSB-10	RSB-11
				Sample Date:	2/19/2014	2/19/2014	2/20/2014	2/20/2014	2/20/2014
				Sample Depth (ft bls):	8.5	18.5	7.5	17.5	7.5
Pentachlorophenol	800	800	6700		198 U	103 U	97 U	99.6 U	95 U
Phenanthrene	100000	1000000	500000		255 JD	51.3 U	48.5 U	130 J	47.5 U
Phenol	330	330	500000		99.1 U	51.3 U	48.5 U	49.8 U	47.5 U
Pyrene	100000	1000000	500000		3930 U	51.3 U	48.5 U	166 J	47.5 U

J - Estimated value

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

B - The analyte was found in an associated blank as well as in the sample

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µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No 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 Protection of Groundwater Standards

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UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

NJ - Detection is tentative in identification and estimated in value

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-11 2/20/2014 7.5	RSB-11 2/20/2014 17.5	RSB-12 2/12/2014 9	RSB-12 2/12/2014 18	RSB-13 2/12/2014 9
1,1'-Biphenyl	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
1,2,4,5-Tetrachlorobenzene	--	--	--		95.7 U	98.2 U	95.3 U	96 U	102 U
2,2'-oxybis (1-chloropropane)	--	--	--		47.9 UJV	49.1 UJV	47.6 UJV	48 UJV	50.8 U
2,4,5-Trichlorophenol	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
2,4,6-Trichlorophenol	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
2,4-Dichlorophenol	--	--	--		95.7 U	98.2 U	95.3 U	96 U	102 U
2,4-Dimethylphenol	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
2,4-Dinitrophenol	--	--	--		190 U	195 U	189 UJV	191 UJV	202 UJV
2,4-Dinitrotoluene	--	--	--		95.7 U	98.2 U	95.3 U	96 U	102 U
2,6-Dinitrotoluene	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
2-Chloronaphthalene	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
2-Chlorophenol	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
2-Methylnaphthalene	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
2-Methylphenol	330	330	500000		95.7 U	98.2 U	95.3 U	96 U	102 UJV
2-Nitroaniline	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
2-Nitrophenol	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
3&4-Methylphenol	330	330	500000		95.7 U	98.2 U	95.3 U	96 U	102 U
3,3'-Dichlorobenzidine	--	--	--		190 UJV	195 UJV	189 U	191 U	202 U
3-Nitroaniline	--	--	--		95.7 U	98.2 U	95.3 U	96 U	102 U
4,6-Dinitro-2-methylphenol	--	--	--		95.7 U	98.2 U	95.3 U	96 U	102 U
4-Bromophenyl phenyl ether	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
4-Chloro-3-methylphenol	--	--	--		95.7 U	98.2 U	95.3 U	96 U	102 U
4-Chloroaniline	--	--	--		95.7 UJV	98.2 UJV	95.3 U	96 U	102 U
4-Chlorophenyl phenyl ether	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
4-Nitroaniline	--	--	--		95.7 U	98.2 U	95.3 U	96 U	102 U
4-Nitrophenol	--	--	--		95.7 U	98.2 U	95.3 U	96 U	102 U
Acenaphthene	20000	98000	500000		47.9 U	49.1 U	47.6 U	48 U	50.8 U
Acenaphthylene	100000	107000	500000		47.9 U	49.1 U	47.6 U	48 U	50.8 U
Acetophenone	--	--	--		47.9 UJV	49.1 UJV	47.6 U	48 U	50.8 U
Anthracene	100000	1000000	500000		47.9 U	49.1 U	76.4 J	48 U	144 J
Atrazine	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-11 2/20/2014 7.5	RSB-11 2/20/2014 17.5	RSB-12 2/12/2014 9	RSB-12 2/12/2014 18	RSB-13 2/12/2014 9
Benzaldehyde	--	--	--		47.9 UJV	49.1 UJV	47.6 UJV	48 UJV	50.8 U
Benzo[a]anthracene	1000	1000	5600		47.9 U	49.1 U	248	48 U	327
Benzo[a]pyrene	1000	22000	1000		47.9 U	49.1 U	214	48 U	268
Benzo[b]fluoranthene	1000	1700	5600		47.9 U	49.1 U	171 J	48 U	267
Benzo[g,h,i]perylene	100000	1000000	500000		95.7 U	98.2 U	95.3 UJV	96 UJV	113 J
Benzo[k]fluoranthene	800	1700	56000		47.9 U	49.1 U	214	48 U	219
Bis(2-chloroethoxy)methane	--	--	--		47.9 UJV	49.1 UJV	47.6 U	48 U	50.8 U
Bis(2-chloroethyl) ether	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
Bis(2-ethylhexyl) phthalate	--	--	--		72.9 JV	49.1 UJV	47.6 UJV	48 UJV	50.8 UJV
Butylbenzyl phthalate	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
Caprolactam	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
Carbazole	--	--	--		47.9 U	49.1 U	47.6 U	48 U	55.7 J
Chrysene	1000	1000	56000		47.9 U	49.1 U	269	48 U	358
Dibenzo[a,h]anthracene	330	1000000	560		47.9 U	49.1 U	47.6 UJV	48 UJV	50.8 U
Dibenzofuran	7000	210000	350000		47.9 U	49.1 U	47.6 U	48 U	50.8 U
Diethyl phthalate	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
Dimethyl phthalate	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
Di-n-butyl phthalate	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
Di-n-octyl phthalate	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
Fluoranthene	100000	1000000	500000		47.9 U	49.1 U	606	48 U	742 JV
Fluorene	30000	386000	500000		47.9 U	49.1 U	47.6 U	48 U	98 J
Hexachlorobenzene	330	3200	6000		47.9 U	49.1 U	47.6 U	48 U	50.8 U
Hexachlorobutadiene	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
Hexachlorocyclopentadiene	--	--	--		95.7 UJV	98.2 UJV	95.3 UJV	96 UJV	102 UJV
Hexachloroethane	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
Indeno[1,2,3-cd]pyrene	500	8200	5600		47.9 U	49.1 U	50.3 JV	48 UJV	131 J
Isophorone	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
Naphthalene	12000	12000	500000		47.9 U	49.1 U	47.6 U	48 U	50.8 U
Nitrobenzene	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
n-Nitrosodi-n-propylamine	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U
n-Nitrosodiphenylamine	--	--	--		47.9 U	49.1 U	47.6 U	48 U	50.8 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation:	RSB-11	RSB-11	RSB-12	RSB-12	RSB-13
				Sample Date:	2/20/2014	2/20/2014	2/12/2014	2/12/2014	2/12/2014
				Sample Depth (ft bls):	7.5	17.5	9	18	9
Pentachlorophenol	800	800	6700		95.7 U	98.2 U	95.3 U	96 U	102 U
Phenanthrene	100000	1000000	500000		47.9 U	49.1 U	418	48 U	535
Phenol	330	330	500000		47.9 U	49.1 U	47.6 U	48 U	50.8 U
Pyrene	100000	1000000	500000		47.9 U	49.1 U	555	48 U	513

J - Estimated value

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

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D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No Standards available

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

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Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-13 2/12/2014 9	RSB-13 2/12/2014 19	RSB-14/4D 2/10/2014 2.5	RSB-14/4D 2/10/2014 5	RSB-14/4D 2/10/2014 10
1,1'-Biphenyl	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
1,2,4,5-Tetrachlorobenzene	--	--	--		102 U	101 U	857 U	874 U	2410 U
2,2'-oxybis (1-chloropropane)	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
2,4,5-Trichlorophenol	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
2,4,6-Trichlorophenol	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
2,4-Dichlorophenol	--	--	--		102 U	101 U	857 U	874 U	2410 U
2,4-Dimethylphenol	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
2,4-Dinitrophenol	--	--	--		203 UJV	201 UJV	RV	RV	RV
2,4-Dinitrotoluene	--	--	--		102 U	101 U	857 U	874 U	2410 U
2,6-Dinitrotoluene	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
2-Chloronaphthalene	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
2-Chlorophenol	--	--	--		51.1 U	50.5 U	428 U	437 U	1930 JD
2-Methylnaphthalene	--	--	--		51.1 U	50.5 U	428 U	437 U	4540 JD
2-Methylphenol	330	330	500000		102 UJV	101 UJV	857 U	874 U	2410 U
2-Nitroaniline	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
2-Nitrophenol	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
3&4-Methylphenol	330	330	500000		102 U	101 U	857 U	874 U	2410 U
3,3'-Dichlorobenzidine	--	--	--		203 U	201 U	1700 UJV	1740 UJV	4800 U
3-Nitroaniline	--	--	--		102 U	101 U	857 U	874 U	2410 U
4,6-Dinitro-2-methylphenol	--	--	--		102 U	101 U	RV	RV	RV
4-Bromophenyl phenyl ether	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
4-Chloro-3-methylphenol	--	--	--		102 U	101 U	857 U	874 U	2410 U
4-Chloroaniline	--	--	--		102 U	101 U	857 UJV	874 UJV	2410 U
4-Chlorophenyl phenyl ether	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
4-Nitroaniline	--	--	--		102 U	101 U	857 U	874 U	2410 U
4-Nitrophenol	--	--	--		102 U	101 U	857 U	874 U	2410 U
Acenaphthene	20000	98000	500000		78.3 J	50.5 U	428 U	437 U	1210 U
Acenaphthylene	100000	107000	500000		51.1 U	50.5 U	428 U	437 U	1210 U
Acetophenone	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
Anthracene	100000	1000000	500000		252	50.5 U	503 JD	707 JD	1210 U
Atrazine	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation:	RSB-13	RSB-13	RSB-14/4D	RSB-14/4D	RSB-14/4D
				Sample Date:	2/12/2014	2/12/2014	2/10/2014	2/10/2014	2/10/2014
				Sample Depth (ft bls):	9	19	2.5	5	10
Benzaldehyde	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
Benzo[a]anthracene	1000	1000	5600		527	50.5 U	1480 JD	1730 D	1210 U
Benzo[a]pyrene	1000	22000	1000		440	50.5 U	1470 JD	1560 JD	1210 U
Benzo[b]fluoranthene	1000	1700	5600		456	50.5 U	1990 D	1410 JD	1210 U
Benzo[g,h,i]perylene	100000	1000000	500000		214	101 U	857 U	874 U	2410 U
Benzo[k]fluoranthene	800	1700	56000		400	50.5 U	1660 JD	1780 D	1210 U
Bis(2-chloroethoxy)methane	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
Bis(2-chloroethyl) ether	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
Bis(2-ethylhexyl) phthalate	--	--	--		51.1 UJV	50.5 UJV	428 UJV	437 UJV	1210 UJV
Butylbenzyl phthalate	--	--	--		51.1 U	50.5 U	428 UJV	437 UJV	1210 U
Caprolactam	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
Carbazole	--	--	--		105 J	50.5 U	428 U	437 U	1210 U
Chrysene	1000	1000	56000		581	50.5 U	1610 JD	1900 D	1210 U
Dibenzo[a,h]anthracene	330	1000000	560		51.1 U	50.5 U	428 U	437 U	1210 U
Dibenzofuran	7000	210000	350000		51.1 U	50.5 U	428 U	437 U	1210 U
Diethyl phthalate	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
Dimethyl phthalate	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
Di-n-butyl phthalate	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
Di-n-octyl phthalate	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
Fluoranthene	100000	1000000	500000		1230 JV	50.5 U	3450 D	4180 D	1210 U
Fluorene	30000	386000	500000		138 J	50.5 U	428 U	437 U	1210 U
Hexachlorobenzene	330	3200	6000		51.1 U	50.5 U	428 U	437 U	1210 U
Hexachlorobutadiene	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
Hexachlorocyclopentadiene	--	--	--		102 UJV	101 UJV	RV	RV	RV
Hexachloroethane	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
Indeno[1,2,3-cd]pyrene	500	8200	5600		230	50.5 U	557 JD	489 JD	1210 U
Isophorone	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
Naphthalene	12000	12000	500000		51.1 U	50.5 U	428 U	437 U	2630 JD
Nitrobenzene	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
n-Nitrosodi-n-propylamine	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U
n-Nitrosodiphenylamine	--	--	--		51.1 U	50.5 U	428 U	437 U	1210 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation:	RSB-13	RSB-13	RSB-14/4D	RSB-14/4D	RSB-14/4D
				Sample Date:	2/12/2014	2/12/2014	2/10/2014	2/10/2014	2/10/2014
				Sample Depth (ft bls):	9	19	2.5	5	10
Pentachlorophenol	800	800	6700		102 U	101 U	857 U	874 U	2410 U
Phenanthrene	100000	1000000	500000		820	50.5 U	2390 D	3110 D	1210 U
Phenol	330	330	500000		51.1 U	50.5 U	428 U	437 U	1210 U
Pyrene	100000	1000000	500000		783	50.5 U	2290 D	2770 D	1210 U

J - Estimated value

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

B - The analyte was found in an associated blank as well as in the sample

NA - Compound was not analyzed by laboratory

D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No 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 Protection of Groundwater Standards

Boxed data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

V - Value altered or qualifier added during data validation

R - Sample results rejected by validator

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

NJ - Detection is tentative in identification and estimated in value

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation:	RSB-14/4D	RSB/MW-14	RSB/MW-14	RSB/MW-14
				Sample Date:	2/10/2014	9/10/2014	9/10/2014	9/9/2014
				Sample Depth (ft bls):	38	12	17	1
1,1'-Biphenyl	--	--	--		50.3 U	46.9 U	47.7 U	457 U
1,2,4,5-Tetrachlorobenzene	--	--	--		101 U	93.7 U	95.3 U	914 U
2,2'-oxybis (1-chloropropane)	--	--	--		50.3 U	46.9 U	47.7 U	457 U
2,4,5-Trichlorophenol	--	--	--		50.3 U	46.9 U	47.7 U	457 U
2,4,6-Trichlorophenol	--	--	--		50.3 U	46.9 U	47.7 U	457 U
2,4-Dichlorophenol	--	--	--		101 U	93.7 U	95.3 U	914 U
2,4-Dimethylphenol	--	--	--		50.3 U	46.9 U	47.7 U	457 U
2,4-Dinitrophenol	--	--	--		RV	186 U	189 U	1820 U
2,4-Dinitrotoluene	--	--	--		101 U	93.7 U	95.3 U	914 U
2,6-Dinitrotoluene	--	--	--		50.3 U	46.9 U	47.7 U	457 U
2-Chloronaphthalene	--	--	--		50.3 U	46.9 U	47.7 U	457 U
2-Chlorophenol	--	--	--		50.3 U	46.9 U	47.7 U	457 U
2-Methylnaphthalene	--	--	--		50.3 U	497	47.7 U	457 U
2-Methylphenol	330	330	500000		101 U	93.7 U	95.3 U	914 U
2-Nitroaniline	--	--	--		50.3 U	46.9 U	47.7 U	457 U
2-Nitrophenol	--	--	--		50.3 U	46.9 U	47.7 U	457 U
3&4-Methylphenol	330	330	500000		101 U	93.7 U	95.3 U	914 U
3,3'-Dichlorobenzidine	--	--	--		200 UJV	186 UJV	189 U	1820 U
3-Nitroaniline	--	--	--		101 U	93.7 U	95.3 U	914 U
4,6-Dinitro-2-methylphenol	--	--	--		RV	93.7 U	95.3 U	914 U
4-Bromophenyl phenyl ether	--	--	--		50.3 U	46.9 U	47.7 U	457 U
4-Chloro-3-methylphenol	--	--	--		101 U	93.7 U	95.3 U	914 U
4-Chloroaniline	--	--	--		101 UJV	93.7 U	95.3 U	914 U
4-Chlorophenyl phenyl ether	--	--	--		50.3 U	46.9 U	47.7 U	457 U
4-Nitroaniline	--	--	--		101 U	93.7 U	95.3 U	914 U
4-Nitrophenol	--	--	--		101 U	93.7 U	95.3 U	914 UJV
Acenaphthene	20000	98000	500000		50.3 U	46.9 U	47.7 U	457 U
Acenaphthylene	100000	107000	500000		50.3 U	46.9 U	47.7 U	457 U
Acetophenone	--	--	--		50.3 U	46.9 U	47.7 U	457 U
Anthracene	100000	1000000	500000		50.3 U	46.9 U	47.7 U	457 U
Atrazine	--	--	--		50.3 U	46.9 U	47.7 U	457 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-14/4D 2/10/2014 38	RSB/MW-14 9/10/2014 12	RSB/MW-14 9/10/2014 17	RSB/MW-14 9/9/2014 1
Benzaldehyde	--	--	--		50.3 U	46.9 U	47.7 U	457 U
Benzo[a]anthracene	1000	1000	5600		50.3 U	46.9 UJV	47.7 U	457 U
Benzo[a]pyrene	1000	22000	1000		50.3 U	RV	47.7 U	457 U
Benzo[b]fluoranthene	1000	1700	5600		50.3 U	RV	47.7 U	457 UJV
Benzo[g,h,i]perylene	100000	1000000	500000		101 U	RV	95.3 U	914 U
Benzo[k]fluoranthene	800	1700	56000		50.3 U	RV	47.7 U	457 U
Bis(2-chloroethoxy)methane	--	--	--		50.3 U	46.9 U	47.7 U	457 U
Bis(2-chloroethyl) ether	--	--	--		50.3 U	46.9 U	47.7 U	457 U
Bis(2-ethylhexyl) phthalate	--	--	--		50.3 UJV	260 JV	47.7 U	457 U
Butylbenzyl phthalate	--	--	--		50.3 UJV	48.7 JV	47.7 U	457 U
Caprolactam	--	--	--		50.3 U	46.9 U	47.7 U	457 U
Carbazole	--	--	--		50.3 U	46.9 U	47.7 U	457 U
Chrysene	1000	1000	56000		50.3 U	46.9 UJV	47.7 U	457 U
Dibenzo[a,h]anthracene	330	1000000	560		50.3 U	RV	47.7 U	457 U
Dibenzofuran	7000	210000	350000		50.3 U	46.9 U	47.7 U	457 U
Diethyl phthalate	--	--	--		50.3 U	46.9 U	47.7 U	457 U
Dimethyl phthalate	--	--	--		50.3 U	46.9 U	47.7 U	457 U
Di-n-butyl phthalate	--	--	--		50.3 U	46.9 U	47.7 U	457 U
Di-n-octyl phthalate	--	--	--		50.3 U	RV	47.7 U	457 U
Fluoranthene	100000	1000000	500000		50.3 U	52.1 JV	47.7 U	457 U
Fluorene	30000	386000	500000		50.3 U	46.9 U	47.7 U	457 U
Hexachlorobenzene	330	3200	6000		50.3 U	46.9 U	47.7 U	457 U
Hexachlorobutadiene	--	--	--		50.3 U	46.9 U	47.7 U	457 U
Hexachlorocyclopentadiene	--	--	--		RV	93.7 U	95.3 U	914 U
Hexachloroethane	--	--	--		50.3 U	46.9 U	47.7 U	457 U
Indeno[1,2,3-cd]pyrene	500	8200	5600		50.3 U	RV	47.7 U	457 U
Isophorone	--	--	--		50.3 U	46.9 U	47.7 U	457 U
Naphthalene	12000	12000	500000		50.3 U	218	47.7 U	457 U
Nitrobenzene	--	--	--		50.3 U	46.9 U	47.7 U	457 U
n-Nitrosodi-n-propylamine	--	--	--		50.3 U	46.9 U	47.7 U	457 U
n-Nitrosodiphenylamine	--	--	--		50.3 U	46.9 U	47.7 U	457 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation:	RSB-14/4D	RSB/MW-14	RSB/MW-14	RSB/MW-14
				Sample Date:	2/10/2014	9/10/2014	9/10/2014	9/9/2014
				Sample Depth (ft bls):	38	12	17	1
Pentachlorophenol	800	800	6700		101 U	93.7 U	95.3 U	914 U
Phenanthrene	100000	1000000	500000		50.3 U	123 J	47.7 U	457 U
Phenol	330	330	500000		50.3 U	46.9 U	47.7 U	457 U
Pyrene	100000	1000000	500000		50.3 U	84.1 J	47.7 U	457 U

J - Estimated value

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

B - The analyte was found in an associated blank as well as in the sample

NA - Compound was not analyzed by laboratory

D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

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

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Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB/MW-15 9/10/2014 4	RSB/MW-15 9/10/2014 4	RSB/MW-15 9/10/2014 10	RSB/MW-15 9/10/2014 14
1,1'-Biphenyl	--	--	--		465 U	224 U	224 U	49.6 U
1,2,4,5-Tetrachlorobenzene	--	--	--		929 U	448 U	449 U	99.2 U
2,2'-oxybis (1-chloropropane)	--	--	--		465 U	224 U	224 U	49.6 U
2,4,5-Trichlorophenol	--	--	--		465 U	224 U	224 U	49.6 U
2,4,6-Trichlorophenol	--	--	--		465 U	224 U	224 U	49.6 U
2,4-Dichlorophenol	--	--	--		929 U	448 U	449 U	99.2 U
2,4-Dimethylphenol	--	--	--		465 U	224 U	224 U	49.6 U
2,4-Dinitrophenol	--	--	--		1850 U	890 U	892 U	197 U
2,4-Dinitrotoluene	--	--	--		929 U	448 U	449 U	99.2 UV
2,6-Dinitrotoluene	--	--	--		465 U	224 U	224 U	49.6 U
2-Chloronaphthalene	--	--	--		465 U	224 U	224 U	49.6 U
2-Chlorophenol	--	--	--		465 U	224 U	224 U	49.6 U
2-Methylnaphthalene	--	--	--		465 U	224 U	1500 D	49.6 U
2-Methylphenol	330	330	500000		929 U	448 U	449 U	99.2 U
2-Nitroaniline	--	--	--		465 U	224 U	224 U	49.6 U
2-Nitrophenol	--	--	--		465 U	224 U	224 U	49.6 U
3&4-Methylphenol	330	330	500000		929 U	448 U	449 U	99.2 U
3,3'-Dichlorobenzidine	--	--	--		1850 UJV	890 UJV	892 UJV	197 U
3-Nitroaniline	--	--	--		929 U	448 U	449 U	99.2 U
4,6-Dinitro-2-methylphenol	--	--	--		929 U	448 U	449 U	99.2 U
4-Bromophenyl phenyl ether	--	--	--		465 U	224 U	224 U	49.6 U
4-Chloro-3-methylphenol	--	--	--		929 U	448 U	449 U	99.2 U
4-Chloroaniline	--	--	--		929 U	448 U	449 U	99.2 U
4-Chlorophenyl phenyl ether	--	--	--		465 U	224 U	224 U	49.6 U
4-Nitroaniline	--	--	--		929 U	448 U	449 U	99.2 U
4-Nitrophenol	--	--	--		929 U	448 U	449 U	99.2 U
Acenaphthene	20000	98000	500000		465 U	224 U	224 U	49.6 U
Acenaphthylene	100000	107000	500000		465 U	224 U	224 U	49.6 U
Acetophenone	--	--	--		465 U	224 U	224 U	49.6 U
Anthracene	100000	1000000	500000		465 U	291 JD	224 U	49.6 U
Atrazine	--	--	--		465 U	224 U	224 U	49.6 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB/MW-15 9/10/2014 4	RSB/MW-15 9/10/2014 4	RSB/MW-15 9/10/2014 10	RSB/MW-15 9/10/2014 14
Benzaldehyde	--	--	--		465 U	224 U	224 U	49.6 U
Benzo[a]anthracene	1000	1000	5600		752 JV	705 JV	224 UJV	49.6 U
Benzo[a]pyrene	1000	22000	1000		465 UJV	272 JV	RV	49.6 U
Benzo[b]fluoranthene	1000	1700	5600		465 UJV	266 JV	RV	49.6 U
Benzo[g,h,i]perylene	100000	1000000	500000		929 UJV	448 UJV	RV	99.2 U
Benzo[k]fluoranthene	800	1700	56000		465 UJV	334 JV	RV	49.6 U
Bis(2-chloroethoxy)methane	--	--	--		465 U	224 U	224 U	49.6 U
Bis(2-chloroethyl) ether	--	--	--		465 U	224 U	224 U	49.6 U
Bis(2-ethylhexyl) phthalate	--	--	--		465 UJV	224 UJV	224 UJV	49.6 U
Butylbenzyl phthalate	--	--	--		465 UJV	224 UJV	224 UJV	49.6 U
Caprolactam	--	--	--		465 U	224 U	224 U	49.6 U
Carbazole	--	--	--		465 U	224 U	224 U	49.6 U
Chrysene	1000	1000	56000		944 JV	787 JV	224 UJV	49.6 U
Dibenzo[a,h]anthracene	330	1000000	560		465 UJV	224 UJV	RV	49.6 U
Dibenzofuran	7000	210000	350000		465 U	224 U	224 U	49.6 U
Diethyl phthalate	--	--	--		465 U	224 U	224 U	49.6 U
Dimethyl phthalate	--	--	--		465 U	224 U	224 U	49.6 U
Di-n-butyl phthalate	--	--	--		465 U	224 U	224 U	49.6 U
Di-n-octyl phthalate	--	--	--		465 UJV	224 UJV	RV	49.6 U
Fluoranthene	100000	1000000	500000		2160 JV	1800 JV	224 UJV	49.6 U
Fluorene	30000	386000	500000		465 U	224 U	224 U	49.6 U
Hexachlorobenzene	330	3200	6000		465 U	224 U	224 U	49.6 U
Hexachlorobutadiene	--	--	--		465 U	224 U	224 U	49.6 U
Hexachlorocyclopentadiene	--	--	--		929 U	448 U	449 U	99.2 U
Hexachloroethane	--	--	--		465 U	224 U	224 U	49.6 U
Indeno[1,2,3-cd]pyrene	500	8200	5600		465 UJV	224 UJV	RV	49.6 U
Isophorone	--	--	--		465 U	224 U	224 U	49.6 U
Naphthalene	12000	12000	500000		465 U	224 U	1040 D	49.6 U
Nitrobenzene	--	--	--		465 U	224 U	224 U	49.6 U
n-Nitrosodi-n-propylamine	--	--	--		465 U	224 U	224 U	49.6 U
n-Nitrosodiphenylamine	--	--	--		465 U	224 U	224 U	49.6 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB/MW-15 9/10/2014 4	RSB/MW-15 9/10/2014 4	RSB/MW-15 9/10/2014 10	RSB/MW-15 9/10/2014 14
Pentachlorophenol	800	800	6700		929 U	448 U	449 U	99.2 U
Phenanthrene	100000	1000000	500000		1400 JD	1280 D	372 JD	49.6 U
Phenol	330	330	500000		465 U	224 U	224 U	49.6 U
Pyrene	100000	1000000	500000		1840 D	1510 D	224 U	49.6 U

J - Estimated value

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

B - The analyte was found in an associated blank as well as in the sample

NA - Compound was not analyzed by laboratory

D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No 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 Protection of Groundwater Standards

Boxed data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

V - Value altered or qualifier added during data validation

R - Sample results rejected by validator

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

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Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB/MW-16 9/9/2014 1	RSB/MW-16 9/9/2014 11	RSB/MW-16 9/9/2014 17	RSB/MW-17 9/10/2014 1
1,1'-Biphenyl	--	--	--		234 U	1170 U	50.6 U	212 U
1,2,4,5-Tetrachlorobenzene	--	--	--		468 U	2340 U	101 U	424 U
2,2'-oxybis (1-chloropropane)	--	--	--		234 U	1170 UJV	50.6 U	212 U
2,4,5-Trichlorophenol	--	--	--		234 U	1170 U	50.6 U	212 U
2,4,6-Trichlorophenol	--	--	--		234 U	1170 U	50.6 U	212 U
2,4-Dichlorophenol	--	--	--		468 U	2340 U	101 U	424 U
2,4-Dimethylphenol	--	--	--		234 U	1170 U	50.6 U	212 U
2,4-Dinitrophenol	--	--	--		930 U	4640 U	201 U	842 U
2,4-Dinitrotoluene	--	--	--		468 U	2340 U	101 U	424 U
2,6-Dinitrotoluene	--	--	--		234 U	1170 U	50.6 U	212 U
2-Chloronaphthalene	--	--	--		234 U	1170 U	50.6 U	212 U
2-Chlorophenol	--	--	--		234 U	1170 U	50.6 U	212 U
2-Methylnaphthalene	--	--	--		234 U	1170 U	50.6 U	212 U
2-Methylphenol	330	330	500000		468 U	2340 U	101 U	424 U
2-Nitroaniline	--	--	--		234 U	1170 U	50.6 U	212 U
2-Nitrophenol	--	--	--		234 U	1170 U	50.6 U	212 U
3&4-Methylphenol	330	330	500000		468 U	2340 U	101 U	424 U
3,3'-Dichlorobenzidine	--	--	--		930 U	4640 U	201 U	842 UJV
3-Nitroaniline	--	--	--		468 U	2340 U	101 U	424 U
4,6-Dinitro-2-methylphenol	--	--	--		468 U	2340 U	101 U	424 U
4-Bromophenyl phenyl ether	--	--	--		234 U	1170 U	50.6 U	212 U
4-Chloro-3-methylphenol	--	--	--		468 U	2340 U	101 U	424 U
4-Chloroaniline	--	--	--		468 U	2340 U	101 U	424 U
4-Chlorophenyl phenyl ether	--	--	--		234 U	1170 U	50.6 U	212 U
4-Nitroaniline	--	--	--		468 U	2340 U	101 U	424 U
4-Nitrophenol	--	--	--		468 UJV	2340 U	101 UJV	424 U
Acenaphthene	20000	98000	500000		234 U	1170 U	50.6 U	212 U
Acenaphthylene	100000	107000	500000		234 U	1170 U	50.6 U	212 U
Acetophenone	--	--	--		234 U	1170 U	50.6 U	212 U
Anthracene	100000	1000000	500000		234 U	1170 U	50.6 U	410 JD
Atrazine	--	--	--		234 U	1170 U	50.6 U	212 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB/MW-16 9/9/2014 1	RSB/MW-16 9/9/2014 11	RSB/MW-16 9/9/2014 17	RSB/MW-17 9/10/2014 1
Benzaldehyde	--	--	--		234 U	1170 UJV	50.6 U	212 U
Benzo[a]anthracene	1000	1000	5600		462 JD	1170 U	50.6 U	900 JV
Benzo[a]pyrene	1000	22000	1000		355 JD	1170 UJV	50.6 U	353 JV
Benzo[b]fluoranthene	1000	1700	5600		271 JV	1170 UJV	50.6 UJV	341 JV
Benzo[g,h,i]perylene	100000	1000000	500000		468 U	2340 UJV	101 U	424 UJV
Benzo[k]fluoranthene	800	1700	56000		360 JD	1170 UJV	50.6 U	434 JV
Bis(2-chloroethoxy)methane	--	--	--		234 U	1170 U	50.6 U	212 U
Bis(2-chloroethyl) ether	--	--	--		234 U	1170 U	50.6 U	212 U
Bis(2-ethylhexyl) phthalate	--	--	--		234 U	1170 UJV	50.6 U	212 UJV
Butylbenzyl phthalate	--	--	--		234 U	1170 U	50.6 U	212 UJV
Caprolactam	--	--	--		234 U	1170 U	50.6 U	212 U
Carbazole	--	--	--		234 U	1170 U	50.6 U	212 U
Chrysene	1000	1000	56000		457 JD	1170 U	50.6 U	1050 JV
Dibenzo[a,h]anthracene	330	1000000	560		234 U	1170 UJV	50.6 U	212 UJV
Dibenzofuran	7000	210000	350000		234 U	1170 U	50.6 U	212 U
Diethyl phthalate	--	--	--		234 U	1170 U	50.6 U	212 U
Dimethyl phthalate	--	--	--		234 U	1170 U	50.6 U	212 U
Di-n-butyl phthalate	--	--	--		234 U	1170 U	50.6 U	212 U
Di-n-octyl phthalate	--	--	--		234 U	1170 UJV	50.6 U	212 UJV
Fluoranthene	100000	1000000	500000		830 JD	1170 U	50.6 U	2380 JV
Fluorene	30000	386000	500000		234 U	1170 U	50.6 U	212 U
Hexachlorobenzene	330	3200	6000		234 U	1170 U	50.6 U	212 U
Hexachlorobutadiene	--	--	--		234 U	1170 U	50.6 U	212 U
Hexachlorocyclopentadiene	--	--	--		468 U	2340 U	101 U	424 U
Hexachloroethane	--	--	--		234 U	1170 U	50.6 U	212 U
Indeno[1,2,3-cd]pyrene	500	8200	5600		234 U	1170 UJV	50.6 U	212 UJV
Isophorone	--	--	--		234 U	1170 U	50.6 U	212 U
Naphthalene	12000	12000	500000		234 U	1170 U	50.6 U	212 U
Nitrobenzene	--	--	--		234 U	1170 U	50.6 U	212 U
n-Nitrosodi-n-propylamine	--	--	--		234 U	1170 U	50.6 U	212 U
n-Nitrosodiphenylamine	--	--	--		234 U	1170 U	50.6 U	212 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB/MW-16 9/9/2014 1	RSB/MW-16 9/9/2014 11	RSB/MW-16 9/9/2014 17	RSB/MW-17 9/10/2014 1
Pentachlorophenol	800	800	6700		468 U	2340 U	101 U	424 U
Phenanthrene	100000	1000000	500000		549 JD	1170 U	50.6 U	1810 D
Phenol	330	330	500000		234 U	1170 U	50.6 U	212 U
Pyrene	100000	1000000	500000		759 JD	1170 U	50.6 U	2040 D

J - Estimated value

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

B - The analyte was found in an associated blank as well as in the sample

NA - Compound was not analyzed by laboratory

D - A secondary analysis after dilution due to exceedance of the calibration range in the original sample

µg/kg - Micrograms per kilogram

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-- No 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 Protection of Groundwater Standards

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Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB/MW-17 9/10/2014 13	RSB/MW-17 9/10/2014 17
1,1'-Biphenyl	--	--	--		46.1 U	50.1 U
1,2,4,5-Tetrachlorobenzene	--	--	--		92.2 U	100 U
2,2'-oxybis (1-chloropropane)	--	--	--		46.1 U	50.1 U
2,4,5-Trichlorophenol	--	--	--		46.1 U	50.1 U
2,4,6-Trichlorophenol	--	--	--		46.1 U	50.1 U
2,4-Dichlorophenol	--	--	--		92.2 U	100 U
2,4-Dimethylphenol	--	--	--		46.1 U	50.1 U
2,4-Dinitrophenol	--	--	--		183 U	199 U
2,4-Dinitrotoluene	--	--	--		92.2 U	100 U
2,6-Dinitrotoluene	--	--	--		46.1 U	50.1 U
2-Chloronaphthalene	--	--	--		46.1 U	50.1 U
2-Chlorophenol	--	--	--		46.1 U	50.1 U
2-Methylnaphthalene	--	--	--		364	50.1 U
2-Methylphenol	330	330	500000		92.2 U	100 U
2-Nitroaniline	--	--	--		46.1 U	50.1 U
2-Nitrophenol	--	--	--		46.1 U	50.1 U
3&4-Methylphenol	330	330	500000		92.2 U	100 U
3,3'-Dichlorobenzidine	--	--	--		183 UJV	199 U
3-Nitroaniline	--	--	--		92.2 U	100 U
4,6-Dinitro-2-methylphenol	--	--	--		92.2 U	100 U
4-Bromophenyl phenyl ether	--	--	--		46.1 U	50.1 U
4-Chloro-3-methylphenol	--	--	--		92.2 U	100 U
4-Chloroaniline	--	--	--		92.2 U	100 U
4-Chlorophenyl phenyl ether	--	--	--		46.1 U	50.1 U
4-Nitroaniline	--	--	--		92.2 U	100 U
4-Nitrophenol	--	--	--		92.2 U	100 U
Acenaphthene	20000	98000	500000		46.1 U	50.1 U
Acenaphthylene	100000	107000	500000		46.1 U	50.1 U
Acetophenone	--	--	--		46.1 U	50.1 U
Anthracene	100000	1000000	500000		46.1 U	50.1 U
Atrazine	--	--	--		46.1 U	50.1 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB/MW-17 9/10/2014 13	RSB/MW-17 9/10/2014 17
Benzaldehyde	--	--	--		46.1 U	50.1 U
Benzo[a]anthracene	1000	1000	5600		46.1 UJV	50.1 U
Benzo[a]pyrene	1000	22000	1000		RV	50.1 U
Benzo[b]fluoranthene	1000	1700	5600		RV	50.1 U
Benzo[g,h,i]perylene	100000	1000000	500000		RV	100 U
Benzo[k]fluoranthene	800	1700	56000		RV	50.1 U
Bis(2-chloroethoxy)methane	--	--	--		46.1 U	50.1 U
Bis(2-chloroethyl) ether	--	--	--		46.1 U	50.1 U
Bis(2-ethylhexyl) phthalate	--	--	--		210 JV	50.1 U
Butylbenzyl phthalate	--	--	--		79.7 JV	50.1 U
Caprolactam	--	--	--		46.1 U	50.1 U
Carbazole	--	--	--		46.1 U	50.1 U
Chrysene	1000	1000	56000		46.1 UJV	50.1 U
Dibenzo[a,h]anthracene	330	1000000	560		RV	50.1 U
Dibenzofuran	7000	210000	350000		46.1 U	50.1 U
Diethyl phthalate	--	--	--		46.1 U	50.1 U
Dimethyl phthalate	--	--	--		46.1 U	50.1 U
Di-n-butyl phthalate	--	--	--		46.1 U	50.1 U
Di-n-octyl phthalate	--	--	--		RV	50.1 U
Fluoranthene	100000	1000000	500000		55.6 JV	50.1 U
Fluorene	30000	386000	500000		46.1 U	50.1 U
Hexachlorobenzene	330	3200	6000		46.1 U	50.1 U
Hexachlorobutadiene	--	--	--		46.1 U	50.1 U
Hexachlorocyclopentadiene	--	--	--		92.2 U	100 U
Hexachloroethane	--	--	--		46.1 U	50.1 U
Indeno[1,2,3-cd]pyrene	500	8200	5600		RV	50.1 U
Isophorone	--	--	--		46.1 U	50.1 U
Naphthalene	12000	12000	500000		183	50.1 U
Nitrobenzene	--	--	--		46.1 U	50.1 U
n-Nitrosodi-n-propylamine	--	--	--		46.1 U	50.1 U
n-Nitrosodiphenylamine	--	--	--		46.1 U	50.1 U

Table 3. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Protection of Groundwater	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation:	RSB/MW-17	RSB/MW-17
				Sample Date:	9/10/2014	9/10/2014
				Sample Depth (ft bls):	13	17
Pentachlorophenol	800	800	6700		92.2 U	100 U
Phenanthrene	100000	1000000	500000		137 J	50.1 U
Phenol	330	330	500000		46.1 U	50.1 U
Pyrene	100000	1000000	500000		77.9 J	50.1 U

J - Estimated value

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

B - The analyte was found in an associated blank as well as in the sample

NA - Compound was not analyzed by laboratory

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µg/kg - Micrograms per kilogram

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Table 4. Summary of Volatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: DUP092614 Sample Date: 9/26/2014	MW-1 2/24/2014	MW-2 2/24/2014	MW-3 2/24/2014	MW-3 9/26/2014	MW-4D 2/24/2014	MW-6 2/24/2014
1,1,1-Trichloroethane	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromoethane	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene	3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	0.6	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	3	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Butanone (MEK)	50	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	5
2-Hexanone	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	8.1
4-Methyl-2-pentanone (MIBK)	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	3.2
Acetone	50	1 U	2.4 UJV	13 UJV	4.7 UJV	4.7 UJV	8.8 UJV	28 UJV
Benzene	1	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane	5	0.2 U	0.2 UJV	0.2 UJV	0.2 UJV	0.2 UJV	0.2 UJV	0.2 UJV
Carbon disulfide	60	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	1
Carbon tetrachloride	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	5	0.2 U	1.4	0.56	0.2 U	0.2 U	0.75	0.2 U
cis-1,3-Dichloropropene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cyclohexane	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.4 J	0.2 U
Dibromochloromethane	50	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloropropane	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table 4. Summary of Volatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: DUP092614 Sample Date: 9/26/2014	MW-1 2/24/2014	MW-2 2/24/2014	MW-3 2/24/2014	MW-3 9/26/2014	MW-4D 2/24/2014	MW-6 2/24/2014
Freon 113	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Isopropylbenzene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m+p-Xylene	5	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	1.4	0.5 U
Methyl acetate	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylcyclohexane	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.36 J	0.2 U
Methylene chloride	5	1.6 J	1 U	1 U	1 U	1 U	1 U	1 U
MTBE	10	0.2 U	0.27 J	0.2 U	0.2 U	0.2 U	0.23 J	0.2 U
o-Xylene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.96	0.2 U
Styrene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	5	0.2 U	0.27 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.47 J	0.2 U
trans-1,2-Dichloroethene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	--	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.22 J	0.2 U
Trichlorofluoromethane	5	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl chloride	2	0.2 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes (total)	5	0.6 U	0.6 U	0.6 U	0.6 U	0.6 U	2.4	0.6 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

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-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

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NJ - Detection is tentative in identification and estimated in value

Table 4. Summary of Volatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-7 2/24/2014	MW-7 DUP 2/24/2014	MW-9 9/26/2014	MW-19 10/27/2015	MW-20 10/27/2015
1,1,1-Trichloroethane	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	1		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.42 J
1,2,3-Trichlorobenzene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromoethane	--		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene	3		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	0.6		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	1		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	3		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	3		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Butanone (MEK)	50		0.97	0.5 U	0.2 U	0.2 U	0.2 U
2-Hexanone	50		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
4-Methyl-2-pentanone (MIBK)	--		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Acetone	50		3 UJV	6 UJV	1 U	1 U	1.2 J
Benzene	1		0.2 U	0.2 U	0.2 U	1.2	5.2
Bromochloromethane	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	50		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	50		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane	5		0.2 UJV	0.2 UJV	0.2 U	0.2 U	0.2 U
Carbon disulfide	60		0.41 JV	0.2 U	0.2 U	0.2 U	0.2 U
Carbon tetrachloride	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	5		0.2 U	0.2 U	0.2 U	1.6	11
Chloroform	7		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	--		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	5		0.2 U	0.2 U	0.2 U	2.4	350 D
cis-1,3-Dichloropropene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cyclohexane	--		0.2 U	0.2 U	0.2 U	0.2 U	0.33 J
Dibromochloromethane	50		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloropropane	--		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

Table 4. Summary of Volatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-7 2/24/2014	MW-7 DUP 2/24/2014	MW-9 9/26/2014	MW-19 10/27/2015	MW-20 10/27/2015
Freon 113	--		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Isopropylbenzene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.21 J
m+p-Xylene	5		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl acetate	--		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylcyclohexane	--		0.2 U	0.2 U	0.2 U	0.2 U	0.26 J
Methylene chloride	5		1 U	1 U	1.6 J	1 U	1 U
MTBE	10		0.2 U	0.2 U	0.2 U	22	100
o-Xylene	5		0.2 U	0.2 U	0.2 U	0.82	0.2 U
Styrene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	5		0.2 U	0.2 U	0.2 U	0.2 U	5
trans-1,3-Dichloropropene	--		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.52
Trichlorofluoromethane	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl chloride	2		0.5 U	0.5 U	0.2 U	42	66
Xylenes (total)	5		0.6 U	0.6 U	0.6 U	0.82 J	0.6 U

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µg/L -Micrograms per liter

J - Estimated Value

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-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

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NJ - Detection is tentative in identification and estimated in value

Table 5. Summary of Semivolatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-1 2/24/2014	MW-2 2/24/2014	MW-3 2/24/2014	MW-3 9/26/2014	MW-4D 2/24/2014	MW-6 2/24/2014	MW-7 2/24/2014
1,1'-Biphenyl	--		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
1,2,4,5-Tetrachlorobenzene	--		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
2,2'-oxybis (1-chloropropane)	5		3.33 UJV	2.56 UJV	2.56 UJV	2.56 UJV	2.94 UJV	2.86 UJV	3.03 UJV
2,4,5-Trichlorophenol	--		3.33 U	2.56 U	RV	RV	2.94 U	2.86 U	3.03 U
2,4,6-Trichlorophenol	--		3.33 U	2.56 U	RV	RV	2.94 U	2.86 U	3.03 U
2,4-Dichlorophenol	5		3.33 U	2.56 U	RV	RV	2.94 U	2.86 U	3.03 U
2,4-Dimethylphenol	50		3.33 U	2.56 U	RV	RV	2.94 U	2.86 U	3.03 U
2,4-Dinitrophenol	10		3.33 U	2.56 U	RV	RV	2.94 U	2.86 U	3.03 U
2,4-Dinitrotoluene	5		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
2,6-Dinitrotoluene	5		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
2-Chloronaphthalene	10		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
2-Chlorophenol	--		3.33 U	2.56 U	RV	RV	2.94 U	2.86 U	3.03 U
2-Methylnaphthalene	--		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
2-Methylphenol	--		3.33 U	2.56 U	RV	RV	2.94 U	2.86 U	3.03 U
2-Nitroaniline	5		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
2-Nitrophenol	--		3.33 U	2.56 U	RV	RV	2.94 U	2.86 U	3.03 U
3&4-Methylphenol	--		3.33 U	2.56 U	RV	RV	2.94 U	2.86 U	3.03 U
3,3'-Dichlorobenzidine	5		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
3-Nitroaniline	5		3.33 UJV	2.56 UJV	2.56 UJV	2.56 UJV	2.94 UJV	2.86 UJV	3.03 UJV
4,6-Dinitro-2-methylphenol	--		0.133 UJV	0.103 UJV	RV	RV	0.118 UJV	0.114 UJV	0.121 UJV
4-Bromophenyl phenyl ether	--		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
4-Chloro-3-methylphenol	--		3.33 U	2.56 U	RV	RV	2.94 U	2.86 U	3.03 U
4-Chloroaniline	5		3.33 UJV	2.56 UJV	2.56 UJV	2.56 UJV	2.94 UJV	2.86 UJV	3.03 UJV
4-Chlorophenyl phenyl ether	--		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
4-Nitroaniline	5		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
4-Nitrophenol	--		3.33 U	2.56 U	RV	RV	2.94 U	2.86 U	3.03 U
Acenaphthene	20		0.0667 U	0.0513 U	0.0513 U	0.0513 U	0.0588 U	0.149	0.0727
Acenaphthylene	20		0.0667 U	0.0513 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U
Acetophenone	--		3.33 UJV	2.56 UJV	2.56 UJV	2.56 UJV	2.94 UJV	2.86 UJV	3.03 UJV
Anthracene	50		0.0667 U	0.0513 U	0.0513 U	0.0513 U	0.0588 U	0.137	0.0606 U
Atrazine	--		0.0667 U	0.0513 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U
Benzaldehyde	--		3.33 UJV	2.56 UJV	2.56 UJV	2.56 UJV	2.94 UJV	2.86 UJV	3.03 UJV

Table 5. Summary of Semivolatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-1 2/24/2014	MW-2 2/24/2014	MW-3 2/24/2014	MW-3 9/26/2014	MW-4D 2/24/2014	MW-6 2/24/2014	MW-7 2/24/2014
Benzo[a]anthracene	0.002		0.0667 U	0.0513 U	0.0513 U	0.0513 U	0.0588 U	0.0686	0.0606 U
Benzo[a]pyrene	0		0.0667 U	0.0513 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U
Benzo[b]fluoranthene	0.002		0.0667 U	0.0513 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U
Benzo[g,h,i]perylene	--		0.0667 U	0.0513 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U
Benzo[k]fluoranthene	0.002		0.0667 U	0.0513 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U
Bis(2-chloroethoxy)methane	5		3.33 UJV	2.56 UJV	2.56 UJV	2.56 UJV	2.94 UJV	2.86 UJV	3.03 UJV
Bis(2-chloroethyl) ether	--		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
Bis(2-ethylhexyl) phthalate	5		0.0667 UJV	0.0513 UJV	0.0513 UJV	0.0513 UJV	0.0588 UJV	0.0571 UJV	39.6 JV
Butylbenzyl phthalate	50		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
Caprolactam	--		RV	RV	RV	RV	RV	RV	RV
Carbazole	--		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
Chrysene	0.002		0.0667 U	0.0513 U	0.0513 U	0.0513 U	0.0588 U	0.0686	0.0606 U
Dibenzo[a,h]anthracene	--		0.0667 U	0.0513 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U
Dibenzofuran	--		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
Diethyl phthalate	50		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
Dimethyl phthalate	50		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
Di-n-butyl phthalate	50		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
Di-n-octyl phthalate	--		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
Fluoranthene	50		0.0667 U	0.0513 U	0.0513 U	0.0513 U	0.106	0.263	0.097
Fluorene	50		0.0667 U	0.0513 U	0.0513 U	0.0513 U	0.0706	0.206	0.0606 U
Hexachlorobenzene	0.04		0.0267 U	0.0205 U	0.0205 U	0.0205 U	0.0235 U	0.0229 U	0.0242 U
Hexachlorobutadiene	0.5		0.0667 U	0.0513 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U
Hexachlorocyclopentadiene	5		3.33 UJV	2.56 UJV	2.56 UJV	2.56 UJV	2.94 UJV	2.86 UJV	RV
Hexachloroethane	5		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
Indeno[1,2,3-cd]pyrene	0.002		0.0667 U	0.0513 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U
Isophorone	50		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
Naphthalene	10		0.0667 U	0.0513 U	0.0513 U	0.0513 U	0.353	0.171	0.097
Nitrobenzene	0.4		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
n-Nitrosodi-n-propylamine	--		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
n-Nitrosodiphenylamine	50		3.33 U	2.56 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U
Pentachlorophenol	1		0.0667 U	0.0513 U	RV	RV	0.0588 U	0.0571 U	0.0606 U
Phenanthrene	50		0.0667 U	0.0513 U	0.0513 U	0.0513 U	0.2	0.697	0.109

Table 5. Summary of Semivolatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-1 2/24/2014	MW-2 2/24/2014	MW-3 2/24/2014	MW-3 9/26/2014	MW-4D 2/24/2014	MW-6 2/24/2014	MW-7 2/24/2014
Phenol	1		3.33 U	2.56 U	RV	RV	2.94 U	2.86 U	3.03 U
Pyrene	50		0.0667 U	0.0513 U	0.0513 U	0.0513 U	0.106	0.194	0.0606 U

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AWQSGVs - Ambient Water-Quality Standards and Guidance Values

µg/L -Micrograms per liter

J - Estimated Value

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1,1'-Biphenyl	--		2.94 U	2.7 U	2.56 U
1,2,4,5-Tetrachlorobenzene	--		2.94 U	2.7 U	2.56 U
2,2'-oxybis (1-chloropropane)	5		2.94 UJV	2.7 U	2.56 U
2,4,5-Trichlorophenol	--		2.94 U	2.7 U	2.56 U
2,4,6-Trichlorophenol	--		2.94 U	2.7 U	2.56 U
2,4-Dichlorophenol	5		2.94 U	2.7 U	2.56 U
2,4-Dimethylphenol	50		2.94 U	2.7 U	2.56 U
2,4-Dinitrophenol	10		2.94 U	2.7 U	2.56 U
2,4-Dinitrotoluene	5		2.94 U	2.7 U	2.56 U
2,6-Dinitrotoluene	5		2.94 U	2.7 U	2.56 U
2-Chloronaphthalene	10		2.94 U	2.7 U	2.56 U
2-Chlorophenol	--		2.94 U	2.7 U	2.56 U
2-Methylnaphthalene	--		2.94 U	2.7 U	2.56 U
2-Methylphenol	--		2.94 U	2.7 U	2.56 U
2-Nitroaniline	5		2.94 U	2.7 U	2.56 U
2-Nitrophenol	--		2.94 U	2.7 U	2.56 U
3&4-Methylphenol	--		2.94 U	2.7 U	2.56 U
3,3'-Dichlorobenzidine	5		2.94 U	2.7 U	2.56 U
3-Nitroaniline	5		2.94 UJV	2.7 U	2.56 U
4,6-Dinitro-2-methylphenol	--		0.118 UJV	2.7 U	2.56 U
4-Bromophenyl phenyl ether	--		2.94 U	2.7 U	2.56 U
4-Chloro-3-methylphenol	--		2.94 U	2.7 U	2.56 U
4-Chloroaniline	5		2.94 UJV	2.7 U	2.56 U
4-Chlorophenyl phenyl ether	--		2.94 U	2.7 U	2.56 U
4-Nitroaniline	5		2.94 U	2.7 U	2.56 U
4-Nitrophenol	--		2.94 U	0.0541 U	0.0513
Acenaphthene	20		0.0824	0.0541 U	0.0513 U
Acenaphthylene	20		0.0588 U	2.7 U	2.56 U
Acetophenone	--		2.94 UJV	0.0541 U	0.226
Anthracene	50		0.0588 U	0.541 U	0.513 U
Atrazine	--		0.0588 U	2.7 U	2.56 U
Benzaldehyde	--		2.94 UJV	0.0541 U	0.164

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Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-7 DUP 2/24/2014	MW-19 10/27/2015	MW-20 10/27/2015
Benzo[a]anthracene	0.002		0.0588 U	0.0541 U	0.144
Benzo[a]pyrene	0		0.0588 U	0.0541 U	0.144
Benzo[b]fluoranthene	0.002		0.0588 U	0.0541 U	0.0821
Benzo[g,h,i]perylene	--		0.0588 U	0.0541 U	0.123
Benzo[k]fluoranthene	0.002		0.0588 U	2.7 U	2.56 U
Bis(2-chloroethoxy)methane	5		2.94 UJV	2.7 U	2.56 U
Bis(2-chloroethyl) ether	--		2.94 U	2.7 U	2.56 U
Bis(2-ethylhexyl) phthalate	5		6.98 JV	0.541 U	0.513 U
Butylbenzyl phthalate	50		2.94 U	2.7 U	2.56 U
Caprolactam	--		RV	2.7 U	2.56 U
Carbazole	--		2.94 U	2.7 U	2.56 U
Chrysene	0.002		0.0588 U	0.0541 U	0.144
Dibenzo[a,h]anthracene	--		0.0588 U	0.0541 U	0.0513 U
Dibenzofuran	--		2.94 U	2.7 U	2.56 U
Diethyl phthalate	50		2.94 U	2.7 U	2.56 U
Dimethyl phthalate	50		2.94 U	2.7 U	2.56 U
Di-n-butyl phthalate	50		2.94 U	2.7 U	2.56 U
Di-n-octyl phthalate	--		2.94 U	2.7 U	2.56 U
Fluoranthene	50		0.0941	0.108	0.503
Fluorene	50		0.0588 U	0.0541 U	0.113
Hexachlorobenzene	0.04		0.0235 U	0.0216 U	0.0205 U
Hexachlorobutadiene	0.5		0.0588 U	0.541 U	0.513 U
Hexachlorocyclopentadiene	5		2.94 UJV	2.7 U	2.56 U
Hexachloroethane	5		2.94 U	0.541 U	0.513 U
Indeno[1,2,3-cd]pyrene	0.002		0.0588 U	0.0541 U	0.0718
Isophorone	50		2.94 U	2.7 U	2.56 U
Naphthalene	10		0.106	0.0541 U	0.0513 U
Nitrobenzene	0.4		2.94 U	0.27 U	0.256 U
n-Nitrosodi-n-propylamine	--		2.94 U	2.7 U	2.56 U
n-Nitrosodiphenylamine	50		2.94 U	2.7 U	2.56 U
Pentachlorophenol	1		0.0588 U	0.27 U	0.256 U
Phenanthrene	50		0.129	0.0649	0.636

Table 5. Summary of Semivolatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-7 DUP 2/24/2014	MW-19 10/27/2015	MW-20 10/27/2015
Phenol	1		2.94 U	2.7 U	2.56 U
Pyrene	50		0.0588 U	0.108	0.4

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

DUP - Duplicate

- - No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

V - Value altered or qualifier added during data validation

R - Sample results rejected by validator

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

NJ - Detection is tentative in identification and estimated in value

Table 6. Summary of Metals in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-1 2/24/2014	MW-2 2/24/2014	MW-3 2/24/2014	MW-3 9/26/2014	MW-4D 2/24/2014	MW-6 2/24/2014	MW-7 2/24/2014	MW-7 DUP 2/24/2014
Aluminum	--		1210	10 U	130	130	299	1790	23 JV	15 JV
Antimony	3		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Arsenic	25		4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Barium	1000		224	86	38	38	44	48	81	82
Beryllium	3		1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Cadmium	5		3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U
Calcium	--		54400	115000	53900	53900	38000	45300	38600	39700
Chromium	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Cobalt	--		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Copper	200		28 JV	3 U	3	3	3 U	7	3 U	3 U
Iron	300		33800	20 U	106	106	363	800	41	37
Lead	25		39	3 UJV	3 UJV	3 UJV	3 UJV	27	3 UJV	3 UJV
Magnesium	--		8810	10900	8930	8930	13000	1020	7050	7070
Manganese	300		1080	15	830	830	2180	112	6050	6070
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		5 U	5 U	5 U	5 U	7	6	5 U	5
Potassium	--		7740	5050	6090	6090	2890	2500	3310	3340
Selenium	10		10 U	15	10 U	10 U	10 U	10 U	10	10 U
Silver	50		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Sodium	20000		69400	11400	39700	39700	92100	25100	52400	52700
Thallium	0.5		5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vanadium	--		10 U	10 U	10 U	10 U	10 U	31	10 U	10 U
Zinc	2000		72	45	13	13	16	31	10	12

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

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

V - Value altered or qualifier added during data validation

R - Sample results rejected by validator

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

NJ - Detection is tentative in identification and estimated in value

Table 6. Summary of Metals in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation:	MW-19	MW-20
		Sample Date:	10/27/2015	10/27/2015
Aluminum	--		17500	6400
Antimony	3		6 U	6 U
Arsenic	25		5	7
Barium	1000		148	236
Beryllium	3		1 U	1 U
Cadmium	5		3 U	3 U
Calcium	--		43700	73000
Chromium	50		42	17
Cobalt	--		11	6 U
Copper	200		20	12
Iron	300		14700	4530
Lead	25		55	63
Magnesium	--		11600	15200
Manganese	300		2030	7710
Mercury	0.7		0.2 U	0.2 U
Nickel	100		55	16
Potassium	--		6680	7550
Selenium	10		11 U	11 U
Silver	50		6 U	6 U
Sodium	20000		38200 B	47000 B
Thallium	0.5		6 U	11
Vanadium	--		29	14
Zinc	2000		90	131

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

DUP - Duplicate

-- No NYSDEC AWQSGV available

Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

NA - Compound was not analyzed by laboratory

V - Value altered or qualifier added during data validation

R - Sample results rejected by validator

UJ - Analyte was not detected. The associated reported quantitation limit is an estimate

NJ - Detection is tentative in identification and estimated in value

Table 7. Summary of Volatile Organic Compounds in Vapor Samples, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter	Sample Designation: Sample Date:	IA-1 2/24/2014	SV-1 2/24/2014	SV-2 2/28/2014	SV-3 2/24/2014	SV-4 2/24/2014	SV-5 2/24/2014	Outdoor Ambient 2/24/2014	SV-4 9/25/2014	SV-5 9/25/2014
(Concentrations in µg/m ³)										
1,1,1-Trichloroethane		0.55 U	11 U	12 U	11 U	12 U	9.6 U	0.55 U	14 U	13 U
1,1-Dichloroethane		0.41 U	8.5 U	9 U	8 U	8.8 U	7.2 U	0.41 U	10 U	9.5 U
Carbon tetrachloride		0.32 U	6.6 U	7 U	6.2 U	6.9 U	5.6 U	0.32 U	4.1 U	3.8 U
cis-1,2-Dichloroethene		0.48	8.3 U	8.8 U	7.8 U	8.6 U	7 U	0.4 U	10 U	9.5 U
Tetrachloroethene		0.69	14 U	15 U	13 U	1100 D	88 D	0.83	220 D	210 D
Trichloroethene		1.2	5.6 U	6 U	5.3 U	5.9 U	13 D	0.27 U	3.5 U	21 D
Vinyl chloride		0.26 U	5.3 U	5.7 U	5 U	5.6 U	4.5 U	0.26 U	1.7 U	1.5 U
1,1,2,2-Tetrachloroethane		0.7 U	14 U	15 U	14 U	15 U	12 U	0.7 U	18 U	16 U
1,1,2-Trichloroethane		0.55 U	11 U	12 U	11 U	12 U	9.6 U	0.55 U	14 U	13 U
1,1-Dichloroethene		0.4 U	8.3 U	8.8 U	7.8 U	8.6 U	7 U	0.4 U	10 U	9.7 U
1,2,4-Trichlorobenzene		0.75 U	16 U	17 U	15 U	16 U	13 U	0.75 U	19 U	18 U
1,2,4-Trimethylbenzene		0.5 U	10 U	11 U	9.7 U	11 U	8.7 U	1.2	13 D	18 D
1,2-Dibromoethane		0.78 U	16 U	17 U	15 U	17 U	14 U	0.78 U	20 U	18 U
1,2-Dichlorobenzene		0.61 U	13 U	13 U	12 U	13 U	11 U	0.61 U	16 U	14 U
1,2-Dichloroethane		0.58	8.5 U	9 U	8 U	8.8 U	7.2 U	0.41 U	10 U	9.7 U
1,2-Dichloropropane		0.47 U	9.7 U	10 U	9.1 U	10 U	8.2 U	0.47 U	12 U	11 U
1,3,5-Trimethylbenzene		0.5 U	10 U	11 U	9.7 U	11 U	8.7 U	0.5 U	13 U	12 U
1,3-BUTADIENE		0.44 U	9.1 U	9.7 U	8.5 U	9.5 U	7.7 U	0.44 U	11 U	10 U
1,3-Dichlorobenzene		0.61 U	13 U	13 U	12 U	13 U	11 U	0.61 U	16 U	14 U
1,4-Dichlorobenzene		0.61 U	13 U	13 U	12 U	13 U	11 U	0.61 U	16 U	14 U
1,4-Dioxane		0.37 U	7.5 U	8 U	7.1 U	7.9 U	6.4 U	0.37 U	9.3 U	8.6 U
2-Butanone (MEK)		0.9	6.2 U	6.6 U	5.8 U	6.4 U	5.2 U	1.6	27 D	18 D
2-Hexanone		0.83 U	17 U	18 U	16 U	18 U	14 U	0.83 U	21 U	20 U
4-Ethyltoluene		0.5 U	10 U	11 U	9.7 U	11 U	8.7 U	1.4	14 D	26 D
4-Methyl-2-pentanone (MIBK)		0.42 U	8.6 U	9.1 U	8.1 U	8.9 U	7.2 U	0.42 U	13 D	36 D
Acetone		1.7	5 U	5.3 U	13 D	34 D	13 D	8	160 D	220 D
Benzene		0.39	6.7 U	7.1 U	6.3 U	7 U	5.6 U	0.88	8.3 U	9.2 D
Benzyl chloride		0.53 U	11 U	12 U	10 U	11 U	9.2 U	0.53 U	13 U	12 U
Bromodichloromethane		0.63 U	13 U	14 U	12 U	14 U	11 U	0.63 U	16 U	15 U
Bromoform		1.1 U	22 U	23 U	20 U	23 U	18 U	1.1 U	27 U	25 U
Bromomethane		0.39 U	8.1 U	8.7 U	7.7 U	8.5 U	6.9 U	0.39 U	10 U	9.3 U
Carbon disulfide		0.32 U	6.5 U	6.9 U	6.1 U	6.8 U	5.5 U	0.32 U	8 U	11 D
Chlorobenzene		0.47	9.6 U	10 U	9.1 U	10 U	8.1 U	0.47 U	12 U	11 U
Chloroethane		0.27 U	5.5 U	5.9 U	5.2 U	5.8 U	4.7 U	0.27 U	6.8 U	6.3 U
Chloroform		0.5 U	10 U	11 U	9.6 U	11 U	8.6 U	0.5 U	13 U	12 U

Table 7. Summary of Volatile Organic Compounds in Vapor Samples, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter	Sample Designation: Sample Date:	IA-1 2/24/2014	SV-1 2/24/2014	SV-2 2/28/2014	SV-3 2/24/2014	SV-4 2/24/2014	SV-5 2/24/2014	Outdoor Ambient 2/24/2014	SV-4 9/25/2014	SV-5 9/25/2014
(Concentrations in µg/m ³)										
Chloromethane		0.21 U	4.3 U	4.6 U	4.1 U	4.5 U	3.7 U	1.1	5.3 U	5 U
cis-1,3-Dichloropropene		0.46 U	9.5 U	10 U	8.9 U	9.9 U	8 U	0.46 U	12 U	11 U
Cyclohexane		0.35 U	7.2 U	7.7 U	6.8 U	7.5 U	6.1 U	0.35 U	8.9 U	8.3 U
Dibromochloromethane		0.82 U	17 U	18 U	16 U	18 U	14 U	0.82 U	21 U	19 U
Dichlorodifluoromethane		0.5 U	10 U	11 U	9.7 U	11 U	8.7 U	2.4	13 U	12 U
Ethyl Acetate		0.37 U	7.5 U	8 U	7.1 U	7.9 U	6.4 U	0.37 U	19 U	17 U
Ethylbenzene		0.44 U	9.1 U	9.7 U	8.6 U	9.5 U	7.7 U	0.88	17 D	30 D
Freon 113		0.78 U	16 U	17 U	15 U	17 U	14 U	0.78 U	20 U	18 U
Freon 114		0.71 U	15 U	16 U	14 U	15 U	12 U	0.71 U	18 U	17 U
Hexachlorobutadiene		1.1 U	22 U	24 U	21 U	23 U	19 U	1.1 U	28 U	26 U
ISOPROPANOL		0.5 U	10 U	11 U	9.7 U	11 U	8.7 U	0.5 U	38 D	78 D
m+p-Xylene		0.88 U	18 U	19 U	31 D	19 U	15 U	2.7	59 D	100 D
Methyl Methacrylate		0.42 U	8.6 U	9.1 U	8.1 U	8.9 U	7.2 U	0.42 U	11 U	9.8 U
Methylene chloride		1.1 B	11 BD	8.5 BD	7.5 BD	9.1 BD	16 BD	1.2 B	18 U	17 U
MTBE		0.37 U	7.5 U	8 U	7.1 U	7.9 U	6.4 U	0.37 U	9.3 U	8.6 U
N-HEPTANE		0.42 U	8.6 U	9.1 U	8.1 U	8.9 U	7.2 U	0.54	11 U	28 D
N-HEXANE		0.36 U	7.4 U	7.9 U	6.9 U	7.7 U	6.2 U	0.39	9.1 U	8.5 U
o-Xylene		0.44 U	9.1 U	9.7 U	8.6 D	9.5 U	7.7 U	0.84	21 D	40 D
Propene		0.18 U	3.6 U	3.8 U	3.4 U	3.8 U	3 U	0.18 U	4.4 U	4.1 U
Styrene		0.43 U	8.9 U	9.5 U	8.4 U	9.3 U	7.5 U	0.43 U	11 U	10 U
TETRAHYDROFURAN		0.66	6.2 U	6.6 U	5.8 U	6.4 U	5.2 U	0.3 U	7.6 U	7.1 U
Toluene		0.5	7.9 U	8.4 U	24 D	8.2 U	6.7 U	3.3	59 D	1100 D
trans-1,2-Dichloroethene		0.4 U	8.3 U	8.8 U	7.8 U	8.6 U	7 U	0.4 U	10 U	9.5 U
trans-1,3-Dichloropropene		0.46 U	9.5 U	10 U	8.9 U	9.9 U	8 U	0.46 U	12 U	11 U
Trichlorofluoromethane		0.57 U	12 U	13 U	11 U	12 U	9.9 U	1.2	15 U	13 U
Vinyl acetate		0.36 U	7.4 U	7.8 U	6.9 U	7.7 U	6.2 U	0.36 U	9.1 U	8.5 U

B - Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Data users should consider anything <10x the blank value as artifact.

D - a secondary analysis after dilution due to exceedance of the calibration range in the original sample.

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

µg/m³ - Micrograms per cubic meter

Bold data indicates that parameter was detected

Table 7. Summary of Volatile Organic Compounds in Vapor Samples, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter	Sample Designation:	SV-6	IA092514	AMB031815	IA031815	SV-4	SV-5	SV-6
	Sample Date:	9/25/2014	9/25/2014	3/18/2015	3/18/2015	3/18/2015	3/18/2015	3/18/2015
(Concentrations in µg/m ³)								
1,1,1-Trichloroethane		31 U	0.55 U	0.55 U	0.68 U	0.61 U	1.3 U	0.7 U
1,1-Dichloroethane		23 U	0.4 U	0.4 U	0.51 U	0.45 U	0.95 U	0.52 U
Carbon tetrachloride		9 U	0.5	0.16 U	0.2 U	0.63 D	0.37 U	0.81 D
cis-1,2-Dichloroethene		23 U	0.4 U	0.4 U	0.5 U	0.44 U	0.93 U	0.51 U
Tetrachloroethene		43 D	0.47	0.17 U	2.1 D	100 D	70 D	5.8 D
Trichloroethene		7.7 U	0.13 U	0.13 U	0.17 U	1.1 D	6.9 D	0.17 U
Vinyl chloride		3.7 U	0.064 U	0.064 U	0.08 U	0.072 U	0.15 U	0.082 U
1,1,2,2-Tetrachloroethane		39 U	0.69 U	0.69 U	0.86 U	0.77 U	1.6 U	0.88 U
1,1,2-Trichloroethane		31 U	0.55 U	0.55 U	0.68 U	0.61 U	1.3 U	0.7 U
1,1-Dichloroethene		23 U	0.4 U	0.4 U	0.5 U	0.44 U	0.93 U	0.51 U
1,2,4-Trichlorobenzene		43 U	0.74 U	0.74 U	0.93 U	0.83 U	1.7 U	0.95 U
1,2,4-Trimethylbenzene		28 U	3.7	0.64	120 D	2.6 D	17 D	12 D
1,2-Dibromoethane		44 U	0.77 U	0.77 U	0.96 U	0.86 U	1.8 U	0.98 U
1,2-Dichlorobenzene		35 U	0.6 U	0.6 U	0.75 U	0.67 U	1.4 U	0.77 U
1,2-Dichloroethane		23 U	0.4 U	0.4 U	0.51 U	0.45 U	0.95 U	0.52 U
1,2-Dichloropropane		27 U	0.46 U	0.46 U	0.58 U	0.52 U	1.1 U	0.59 U
1,3,5-Trimethylbenzene		28 U	1.2	0.49 U	34 D	2.2 D	5.4 D	3.6 D
1,3-BUTADIENE		25 U	0.43 U	0.43 U	16 D	0.49 U	7.3 D	0.55 U
1,3-Dichlorobenzene		35 U	0.6 U	0.6 U	0.75 U	0.67 U	1.4 U	0.77 U
1,4-Dichlorobenzene		35 U	0.6 U	0.6 U	8.9 D	1.8 D	1.4 U	1.2 D
1,4-Dioxane		21 U	0.36 U	0.36 U	0.45 U	0.4 U	0.84 U	0.46 U
2-Butanone (MEK)		17 U	2.2	1.3	53 D	0.36 D	2.4 D	0.57 D
2-Hexanone		47 U	0.82 U	0.82 U	1 U	0.92 U	1.9 U	1 U
4-Ethyltoluene		28 U	3.2	0.54	120 D	3.4 D	16 D	12 D
4-Methyl-2-pentanone (MIBK)		24 U	0.41 U	0.41 U	0.51 U	0.46 U	0.96 U	0.52 U
Acetone		81 D	1500 D	20	4700 D	8.3 D	20 D	5.6 D
Benzene		18 U	3.9	0.99	140 D	0.64 D	31 D	0.41 U
Benzyl chloride		30 U	0.52 U	0.52 U	0.65 U	0.58 U	1.2 U	0.66 U
Bromodichloromethane		36 U	0.62 U	0.62 U	0.78 U	0.7 U	1.5 U	0.79 U
Bromoform		59 U	1 U	1 U	1.3 U	1.2 U	2.4 U	1.3 U
Bromomethane		22 U	0.39 U	0.39 U	0.49 U	0.43 U	0.91 U	0.5 U
Carbon disulfide		18 U	0.47	0.31 U	0.39 U	0.56 D	0.73 U	1.7 D
Chlorobenzene		26 U	0.46 U	0.46 U	0.58 U	0.52 U	1.1 U	0.59 U
Chloroethane		15 U	0.26 U	0.26 U	0.33 U	0.3 U	0.62 U	0.34 U
Chloroform		28 U	0.49 U	0.49 U	0.61 U	0.55 U	1.1 U	0.62 U

Table 7. Summary of Volatile Organic Compounds in Vapor Samples, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter	Sample Designation:	SV-6	IA092514	AMB031815	IA031815	SV-4	SV-5	SV-6
	Sample Date:	9/25/2014	9/25/2014	3/18/2015	3/18/2015	3/18/2015	3/18/2015	3/18/2015
(Concentrations in µg/m ³)								
Chloromethane		12 U	2	1.6	1.2 D	0.23 U	0.48 U	0.26 U
cis-1,3-Dichloropropene		26 U	0.45 U	0.45 U	0.57 U	0.51 U	1.1 U	0.58 U
Cyclohexane		20 U	3.6	0.34 U	130 D	0.58 D	32 D	0.66 D
Dibromochloromethane		46 U	0.8 U	0.8 U	1 U	0.9 U	1.9 U	1 U
Dichlorodifluoromethane		28 U	2.5	2.4	1.7 D	2.4 D	2.3 D	2.7 D
Ethyl Acetate		41 U	0.72 U	0.72 U	0.9 U	0.81 U	1.7 U	0.92 U
Ethylbenzene		25 U	30	1.1	200 D	5.1 D	36 D	21 D
Freon 113		44 U	0.77 U	0.77 U	0.96 U	0.86 U	1.8 U	0.98 U
Freon 114		40 U	0.7 U	0.7 U	0.87 U	0.78 U	1.6 U	0.89 U
Hexachlorobutadiene		61 U	1.1 U	1.1 U	1.3 U	1.2 U	2.5 U	1.4 U
ISOPROPANOL		31 D	180 D	6.1	15 D	1.6 D	1.2 U	0.88 D
m+p-Xylene		57 D	120	3.5	780 D	20 D	150 D	97 D
Methyl Methacrylate		23 U	0.41 U	0.41 U	0.51 U	0.46 U	0.96 U	0.52 U
Methylene chloride		40 U	120	32	3.7 D	17 D	3.1 D	0.89 U
MTBE		21 U	0.36 U	0.36 U	0.45 U	0.4 U	0.84 U	0.46 U
N-HEPTANE		24 U	42	0.41 U	270 D	1.2 D	54 D	11 D
N-HEXANE		20 U	110	8.3	350 D	7.1 D	110 D	14 D
o-Xylene		25 U	29	1.1	240 D	17 D	47 D	28 D
Propene		9.9 U	0.17 U	0.17 U	0.22 U	0.19 U	0.4 U	0.22 U
Styrene		24 U	0.43 U	0.43 U	0.53 U	0.48 U	1 U	0.55 U
TETRAHYDROFURAN		17 U	0.29 U	0.29 U	0.37 U	0.33 U	0.69 U	0.38 U
Toluene		220 D	410 D	5.7	1800 D	31 D	390 D	61 D
trans-1,2-Dichloroethene		23 U	0.4 U	0.4 U	0.5 U	0.44 U	0.93 U	0.51 U
trans-1,3-Dichloropropene		26 U	0.45 U	0.45 U	0.57 U	0.51 U	1.1 U	0.58 U
Trichlorofluoromethane		32 U	4.4	1.9	1.2 D	1.7 D	1.3 D	1.3 D
Vinyl acetate		20 U	0.35 U	0.35 U	0.44 U	0.39 U	0.83 U	0.45 U

B - Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Data users should consider anything <10x the blank value as artifact.

D - a secondary analysis after dilution due to exceedance of the calibration range in the original sample.

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

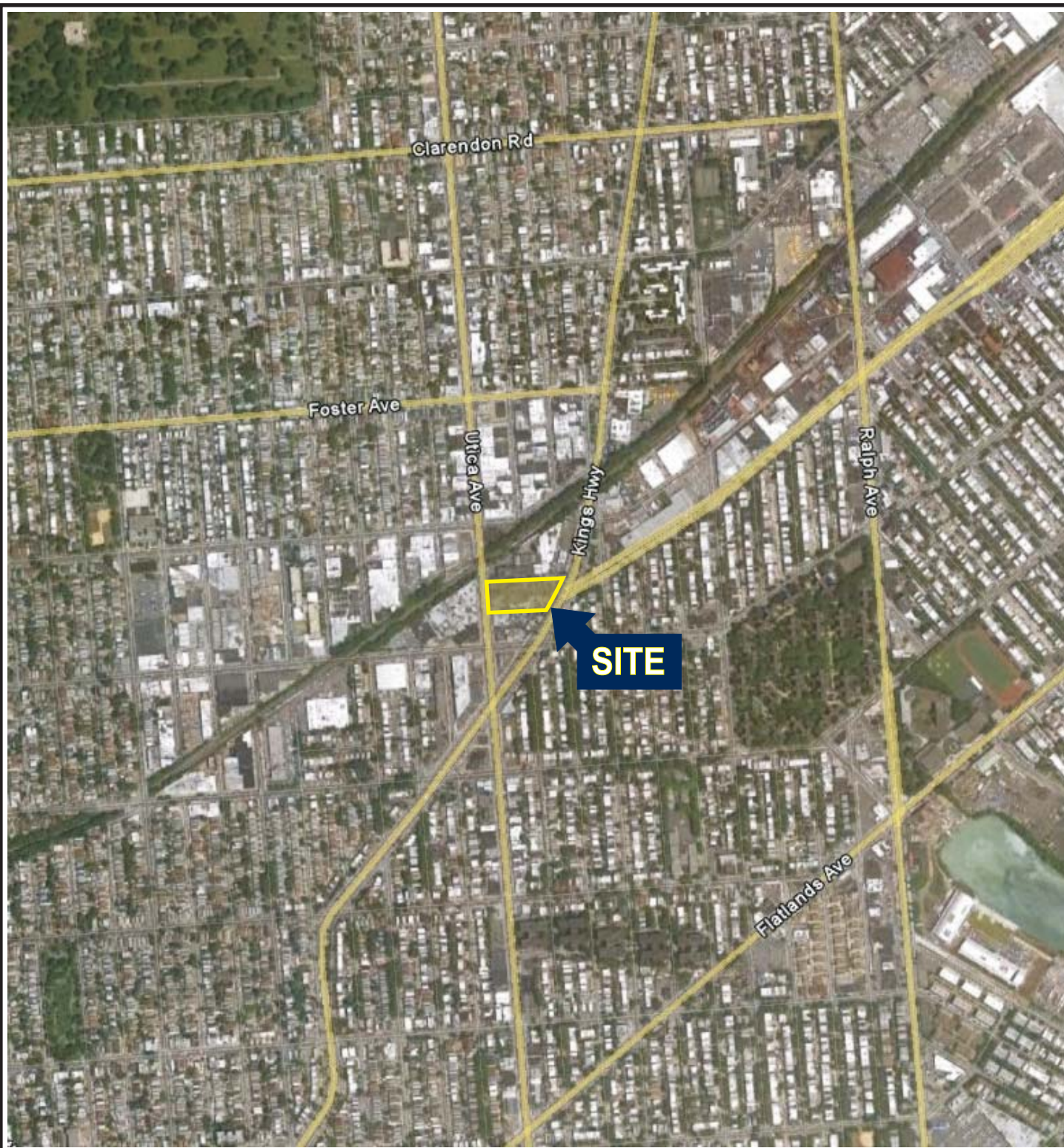
µg/m³ - Micrograms per cubic meter

Bold data indicates that parameter was detected

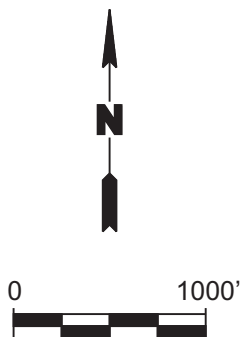
Remedial Investigation Report

FIGURES

1. Site Location Map
2. Site Plan



SOURCE:
GOOGLE EARTH
IMAGERY DATE: 6/17/2010



Title:

SITE LOCATION MAP

KRISTAL AUTO MALL
5200 KINGS HIGHWAY
BROOKLYN , NEW YORK 11234

Prepared for:

IRMA C. POLLACK, LLC

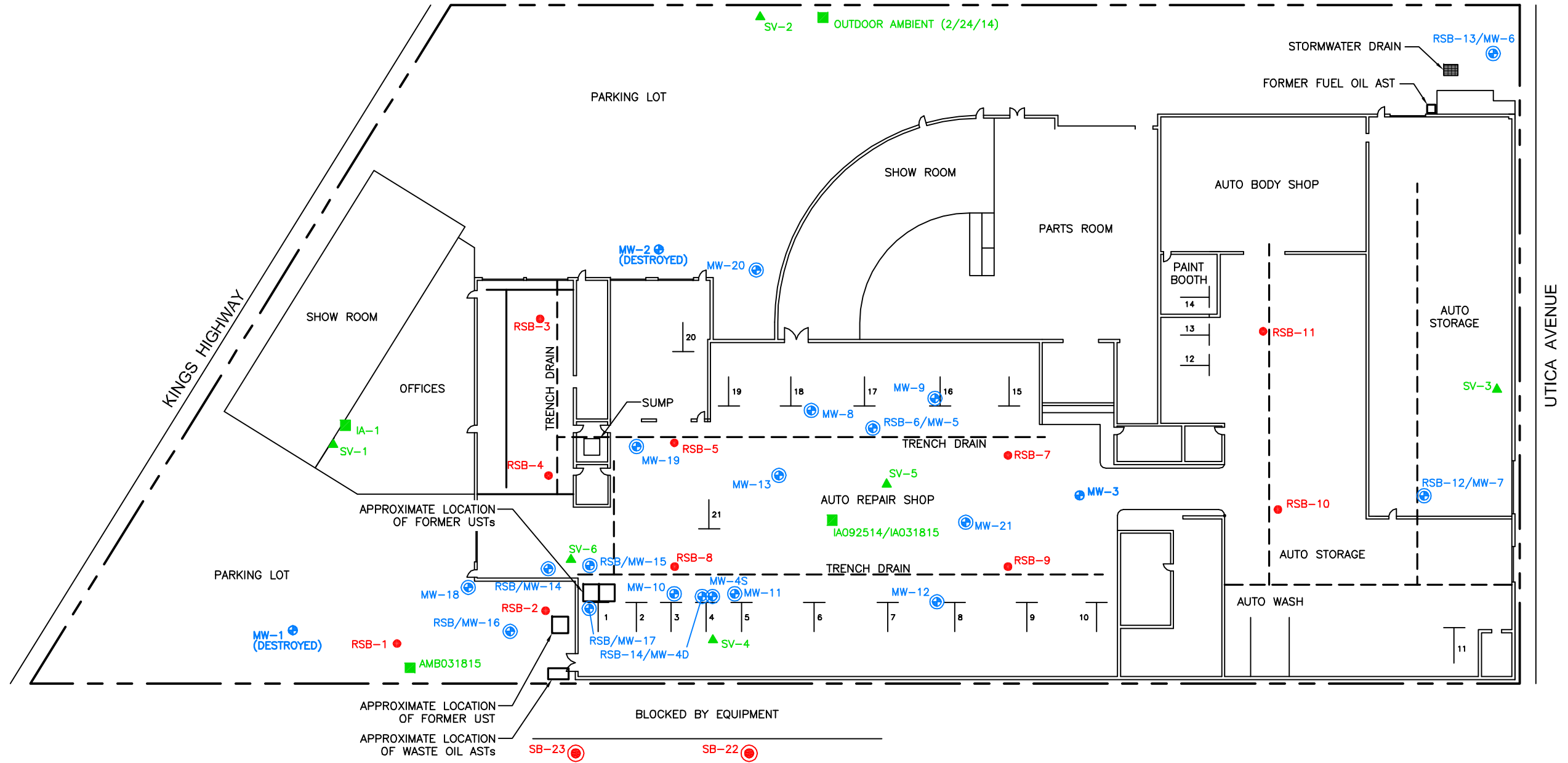
ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting
& Management

Compiled by: W.M.	Date: 05JAN16
Prepared by: J.A.D.	Scale: AS SHOWN
Project Mgr.: W.M.	Project No.: 1575.0002Y000
File: 1575.0002Y112R.01.CDR	

FIGURE

1

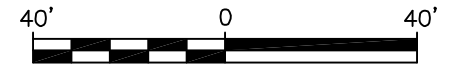
V:\CAD\PROJECTS\1575\0002Y\112R\1575.0002Y112R.02.DWG



LEGEND

- MW-1 (blue circle with cross) EXISTING MONITORING WELL
- MW-4 (blue circle with cross) EXISTING MONITORING WELL INSTALLED BY ROUX ASSOCIATES
- RSB-5 (red dot) EXISTING SOIL SAMPLE
- SV-1 (green triangle) EXISTING SOIL VAPOR SAMPLE POINT
- SB-22 (red circle with cross) SB-22 AND SB-23 HISTORICAL SOIL BORINGS INSTALLED BY TESTWELL LABORATORIES, INC. 2007
- IA-1 (green square) INDOOR/AMBIENT AIR SAMPLE

16 | NON FUNCTIONING HYDRAULIC LIFTS WITH DESIGNATION



Title:			
SITE PLAN			
KRISTAL AUTO MALL 5200 KINGS HIGHWAY BROOKLYN, NEW YORK 11234			
Prepared For:			
IRMA C. POLLACK, LLC			
 ROUX ASSOCIATES, INC. Environmental Consulting and Management	Compiled by: W.M.	Date: 05JAN16	FIGURE 2
	Prepared by: J.A.D.	Scale: AS SHOWN	
	Project Mgr: C.W.	Project: 1575.0002Y000	
	File: 1575.0002Y112R.02.DWG		

Remedial Investigation Report

APPENDICES

- A. Data Usability Summary Report
- B. Soil Boring Logs
- C. Well Development and Groundwater Sampling Purge Logs
- D. Laboratory Analysis of Free-Phase Hydrocarbons
(Provided on CD in Bound Copy)
- E. Correspondence Sent to Neighboring Property Operator
- F. Soil Vapor Sampling Logs

Data Usability Summary Report

Data Validation Services

120 Cobble Creek Road P.O. Box 208
North Creek, NY 12853

Phone 518-251-4429
harry@frontiernet.net

May 28, 2015

Wendy Monterosso
Roux Associates
209 Shafter St.
Islandia, NY 11747

RE: **Data Usability Summary Report (DUSR) for the Kristal Auto Mall Project**
York Analytical SDGs 14B0262, 14B0311, 14B0376, 14B0508, 14B0515, 14B0560, 14B0571,
14B0649, 14B0660, 14C0014, 14I0443, 14I0505, 14I1112, 14J0015, and 15C0645

Dear Ms. Monterosso:

Review has been completed for the analytical data package noted above, generated by York Analytical, that pertains to samples collected between 02/10/14 and 03/18/15 for the Kristal Auto Mall project. Forty six soil samples, three soil field duplicates, and an aqueous field duplicate were processed for TCL volatile and TCL semivolatile analytes. Tentatively Identified Compounds (TICs) were requested and reported for most of the samples. The support documentation for TICs was not included in the data package and not validated. Sixteen 6L canister samples were analyzed for volatile analytes by USEPA method TO-15. Sample matrix spikes, field blanks, and trip blanks were also processed. The analytical methods utilized for the soil and aqueous samples are those of the USEPA SW846 6010C/7470A/8260B.

The data packages submitted contain full deliverables for validation, but this DUSR is generated from review of the summary form information, with full validation review of sample raw data, and limited review of associated QC raw data. Full validation has not been performed. However, the reported summary forms have been reviewed for application of validation qualifiers, using guidance from the USEPA Region 2 validation SOPs, the USEPA National Functional Guidelines for Data Review, the specific laboratory methodologies, and professional judgment. The following items were reviewed:

- * Laboratory Narrative Discussion
- * Custody Documentation
- * Holding Times
- * Surrogate and Internal Standard Recoveries
- * Matrix Spike Recoveries/Duplicate Correlations
- * Field Duplicate Correlations
- * Preparation/Calibration/Trip/Field Blanks
- * Laboratory Control Samples (LCSs)
- * Instrumental Tunes
- * Calibration/Low Level Standards

- * ICP Serial Dilution
- * Instrument IDLs
- * Sample Result Verification

The data review includes evaluation of the specific items noted in The NYS DER-10 Appendix B section 2.0 (c). The items listed above that show deficiencies are discussed within the text of this narrative. The laboratory QC forms illustrating the excursions can be found within the laboratory data packages.

In summary, with the following exceptions, target analyte results are usable either as reported or with qualification/edit:

- the results for IA092514 and SV-6 are rejected and not usable.
- results for one volatile analyte in each of six samples are rejected due to processing
- results for one volatile analyte in all samples due to inherent poor performance of the compound
- between one and three semivolatile compounds in varying numbers of samples are rejected due to processing
- phenolic semivolatile compounds in one aqueous sample are rejected
- thirteen semivolatile analytes in one soil sample are reported with elevated reporting limits due to matrix effect
- one semivolatile analyte result in one sample is rejected due to matrix

Although there are rejected data, as noted above, the overall data completeness is acceptable. The laboratory reported data with outlying associated QC values, which affects accuracy. Additionally, they utilize very broad acceptance ranges, such as a low limit of 10% for all six of the semivolatile surrogate recovery ranges. This is not allowed by the analytical protocol and does not provide a proper evaluation of matrix effect. However, in reviewing the recoveries and correlations for the project samples, the matrices of the samples do not seem to have a significant effect on analyte accuracy and precision.

Copies of the sample identification summaries are attached to this text. Also included with the report are validation qualifier definitions and client results tables that are manually annotated to reflect the qualifications recommended within this report.

The following text discusses quality issues of concern.

Chains-of-Custody

The custody forms are not complete with final relinquish entries. Final laboratory receipt entries are present.

The time was not present on the initial relinquish entry.

The custody forms do not include a field to indicate preservation. The volatile samples were processed within the holding time for unpreserved samples. There is no laboratory documentation to show pH of the metals fraction of the samples. The laboratory indicated that they would maintain records in the future.

The custody forms for the air canister samples do not include fields for the times of collection.

Blind Duplicate Evaluations

The blind field duplicate was collected at locations RSB-13/9-11, RSB-11/7.5-9.5, RSB/MW-15/4-5, MW-3, and MW-7. Correlations are within validation guidelines, with the exceptions of those for fluoranthene (± 2 XCRDL) in RSB-13/9-11 and bis(2-ethylhexyl)phthalate (140%RPD) in MW-7. Results for those analytes are qualified as estimated in the indicated parent samples and their duplicates.

TCL Volatile Analyses by EPA 8260B

Surrogate and internal standard responses were suppressed by matrix interferences in the initial analyses of RSB-9/8.5-10.5 and RSB-8/5-7. All results for RSB-9/8.5-10.5, and detected results and results for the specific target analytes associated with the affected internal standard in RSB-8/5-7, have been qualified as estimated in value. Medium level reanalyses of these samples were acceptable, and values derived from them are not qualified.

Results for dibromochloromethane in the following samples are rejected due to lack of recovery in one of the associated LCSs: RSB-8/1.5-3.5, RSB-8/18.5-20.5, RSB-9/8.5-10.5, RSB-8/8.5-20.5, RSB-7/8.5-10.5, and RSB-7/18.5-20.5. The results for that compound in the other samples and trip blank reported in SDGs 14B0508, in the soils reported in 14B0560, and in RSB-2/18-20 are qualified as estimated due to low recoveries in associated LCSs.

The following analyte results are qualified as estimated due to low recoveries in the associated LCS:

- 4-methyl-2-pentanone (40% and 41%) in MW-3 and MW-9
- cyclohexane (33% and 34%) in FB091014 and TB091014

Results for analytes reported with the laboratory "E" flag have been derived from the dilution analyses of the samples. The exception is that for tetrachloroethene in RSB-9/8.5-10.5, which was not detected in the dilution. The original result is used, but qualified as estimated.

The detection of 2-butanone in RSB-2/11-13 has been edited to non-detection due to very poor mass spectral quality.

Due to pervasive presence in the associated field, trip, and method blanks, the detections of acetone and methylene chloride in the project samples are considered external contamination are edited to reflect non-detection. The following detections are also edited to non-detection due to presence in associated blanks:

- 1,2,4-trichlorobenzene in RSB-2/18-20
- toluene in RSB/MW-17/1-3 and RSB/MW-17/17-18
- 2-hexanone in RSB/MW-15/14-15

The exceptions are the results for acetone in RSB-8/8.5-10.5 and RSB/MW-14/12-14, which are above the levels for consideration as contamination.

Sample matrix spikes were performed on RSB-12/18-20, TB-2/021214, RSB-11/17.5-19.5, RSB/MW-14/14-15, RSB/MW-15/14-15, MW-7, TB-021814, and Trip Blank. Recoveries and correlations are acceptable, with the exception of that for carbon disulfide (39% and 40%) in MW-7. The result for that compound in the parent sample has been qualified as estimated in value.

Dibromochloromethane is qualified as estimated in FB021014 due to low recovery (37%) in the matrix spike of that blank.

The results for 1,4-dioxane in the project samples are rejected and not usable due to very low instrument responses (RRFs), inherent with the methodology. Other calibration standards showed acceptable responses, with the following exceptions, results for which are to be qualified as estimated in the indicated samples:

- acetone (21%D) in samples FB021014 and TB021014
- bromomethane (26%D) in samples RSB-13/9-11, RSB-13/19-21, and DUP021214
- acetone (24%D) in sample FB021214
- dichlorodifluoromethane and bromomethane (22%D to 23%D) in sample TB-2/021214
- dichlorodifluoromethane and chloromethane (32%D to 50%D) in samples RSB/MW-16 11-13, RSB/MW-16 1-3, RSB/MW-16 17-18, RSB/MW-14 1-3, FB021914, FB021814, TB021814, and TB021914
- dibromochloromethane (33%D to 49%) in samples RSB-8/1.5-3.5, RSB-8/18.5-20.5, RSB-9/8.5-10.5, RSB-9/18.5-20.5, RSB-7/8.5-10.5, RSB-7/18.5-20.5, RSB-8/5-7, RSB-8/8.5-10.5, RSB-1/20-22, DUP022014, RSB-3/8-10, RSB-3/18-20, RSB-2/1-3, RSB-2/5-7, RSB-2/11-13, RSB-4/8/10, RSB-4/18/20, and RSB-2/18-20
- bromomethane and acetone (22%D to 33%D) in samples reported in SDG 14B0649
- methylene chloride, and 2-butanone (23%D to 65%D) in samples TB090914, and FB091014

The raw data mass spectra for the dilution analysis of RSB-MW-17/13-15 show very poor graphics. The spectra from the undiluted analysis were used for identification confirmation.

TCL Semivolatiles by EPA 8270C

Several samples exhibited very large matrix interferences, some resulting in strong suppression of internal standard (IS) responses in the affected samples. For each case, the specific analytes associated with outlying ISs have been qualified as estimated, replaced by results of the more acceptable dilution analyses, when available, or rejected (when IS recoveries are below 25%) and no dilution analyses were performed. When dilution analysis results are used, the reporting limits for the associated analytes are elevated proportionally to the dilution factor. The following samples are affected:

- RSB-9/8.5-10.5—initial internal standard recoveries were below 10%, and results for thirteen analytes are derived from twentyfold dilution without additional qualification, but with elevated reporting limits, for those compounds.
- RSB/MW-14/12-14, RSB/MW-17/13-15, and RSB/MW-15/10-11—results for thirteen compounds are qualified as estimated
- RSB/MW-16 11-13, RSB/MW-15/4-5, RSB/MW-17/1-3, and DUP091014—results for six compounds are qualified as estimated

The results for the phenolic compounds are rejected in MW-3 due to recovery below 10% of surrogate standard d5-phenol in that sample. Even though the chromatogram did not show a matrix effect, the sample was not re-extracted.

The detection of 2,4-dinitrotoluene in RSB-15/14-15 has been edited to non-detection due to incorrect identification. The response is actually that of an internal standard.

The detection of 4,6-dinitro-2-methylphenol in MW-1 has been edited to non-detection as that reported detection is a transcription error, and was not determined by the instrument software or analyst.

Many of the extraction batches produced LCSs with one or more analyte failing to recover. The laboratory should have reextracted the batches to produce compliant recoveries. In these cases, the results for those analytes are rejected in the associated samples. They are the following:

- 4,6-Dinitro-2-methylphenol, 2,4-dinitrophenol, and hexachlorocyclopentadiene in the soils reported in SDG 14B0262
- caprolactum in the aqueous samples reported in 14B0649, FB021014, FB021214, FB021914, FB021814, and FB022414
- 4-nitrophenol in the soils reported in 14B0508 and 14B0515, and in FB091014 (SDG 14I0443)
- caprolactum and hexachlorocyclopentadiene in FB022014 and FB022414

Due to low recoveries in the associated LCSs, the following results are qualified as estimated in the indicated samples:

- 2,4-dinitrophenol and bis(2-ethylhexyl)phthalate (39% and 32%) in soils reported in 14B0311
- 4-nitrophenol (64%) in FB22014 and FB022414
- caprolactum and phenol (44% to 62%) in FB091014 (SDG 14I0443)
- caprolactum (82% and 75%) in FB091014 (SDG 14I0505)

The laboratory did not evaluate all target analytes in the LCSs or matrix spikes associated with samples reported in SDG 14B0311. No qualification is made for this non-compliance.

It is noted that the laboratory utilizes laboratory generated acceptance ranges for the surrogate recoveries that are not in compliance with the protocol. The lower limit of 10% is utilized for all six surrogates. This generous range is prohibited by the protocol; a higher low limit should have been assigned if the laboratory variance was that extreme.

The matrix spikes of RSB-12/18-20, RSB-5/18.5-20.5, RSB-11/17.5-19.5, and MW-7 show acceptable recoveries and correlations, with the exception of those for benzaldehyde (35% and 38%), caprolactum (<10%), and hexachlorocyclopentadiene (0%) in MW-78. Results for the former compound are qualified as estimated in the parent sample, and results for the latter two are rejected in that sample. The matrix spikes of RSB-14/4D(5-7) and RSB-2/11-13 were processed at twentyfold and one hundred fold dilutions, respectively, due to sample constituency, and therefore cannot be properly evaluated.

Calibration standards showed acceptable responses, with the following exceptions, results for which are to be qualified as estimated in the indicated samples:

- 2,4-dinitrophenol (42%RSD in samples reported in 14B0376
- 4-chloroaniline, hexachlorocyclopentadiene, benzyl butyl phthalate, bis (2-ethylhexyl)phthalate, and 3,3'-dichlorobenzidine (24%D to 60%D) in samples RSB-14/4D(2.5-3), RSB-14/4D(5-7), RSB-14/4D(38-40), and FB021014
- hexachlorocyclopentadiene and bis (2-ethylhexyl)phthalate (24%D to 46%D) in sample RSB-14/4D(10-11)
- 2-methylphenol, hexachlorocyclopentadiene, and bis (2-ethylhexyl)phthalate (24%D-46%D) in samples reported in SDG 14B0311
- benzaldehyde, bis(2-chloroisopropyl)ether, hexachlorocyclopentadiene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, benzo(g,h,i)perylene, and bis(2-ethylhexyl)phthalate (22%D to 63%D) in in samples reported in SDG 14B0376
- 4-chloroaniline, hexachlorocyclopentadiene, and benzaldehyde (21%D to 60%D) in samples RSB-8/1.5-3.5, RSB-8/5-7, RSB-8/8.5-10.5, RSB-8/18.5-20.5, RSB-9/8.5-10.5, RSB-9/18.5-20.5, RSB-7/8.5-10.5, and RSB-7/18.5-20.5
- benzaldehyde, bis (2-chloroisopropyl)ether, acetophenone, and hexachlorocyclopentadiene (22%D to 36%D) in sample FB021914
- benzaldehyde, 4-chloroaniline, and hexachlorocyclopentadiene (21%D to 60%D) in samples RSB-6/9-11, RSB-6/19-21, RSB-5/8.5-10.5, and RSB-5/18.5-20.5
- benzaldehyde, bis(2-chloroisopropyl)ether, acetophenone, and hexachlorocyclopentadiene (22%D to 36%D) in sample FB021814
- 3,3'-dichlorobenzidine, bis(2-ethylhexyl)phthalate, benzaldehyde, bis(2-chloroisopropyl)ether, bis(2-chloroethoxy)methane, 4-chloroaniline, acetophenone, and hexachlorocyclopentadiene (21%D to 59%D) in samples RSB-10/7.5-9.5, RSB-10/17.5-19.5, RSB-11/7.5-9.5, RSB-11/17.5-19.5, RSB-1/10-12, RSB-1/20-22, DUP022014, RSB-3/8-10, and RSB-3/18-20
- benzaldehyde, bis(2-chloroisopropyl)ether, bis (2-chloroethoxy)methane, acetophenone, 3-nitroaniline, and 4-chloroaniline (21%D to 56%D) in sample FB022014
- benzaldehyde, bis(2-chloroisopropyl)ether, bis(2-chloroethoxy)methane, 4-chloroaniline, acetophenone, hexachlorocyclopentadiene, bis(2-ethylhexyl)phthalate, and 3,3'-dichlorobenzidine (21%D to 59%D) in samples RSB-2/18-20, RSB-4/8/10, and RSB-4/18/20
- benzaldehyde, bis(2-chloroisopropyl)ether, bis(2-chloroethoxy)methane, 4-chloroaniline, acetophenone, and 3-nitroaniline (21%D to 56%D) in samples RSB-2/1-3, RSB-2/5-7, RSB-2/11-13, and FB022114
- benzaldehyde, bis(2-chloroisopropyl)ether, bis(2-chloroethoxy)methane, 4-chloroaniline, acetophenone, caprolactam, hexachlorocyclopentadiene, 3-nitroaniline, 4,6-dinitro-2-methylphenol, and bis(2-ethylhexyl)phthalate (21%D to 68%D) in in samples reported in SDG 14B0649
- 2-nitrophenol, 2,4-dimethylphenol, bis(2-chloroethoxy)methane, 2,4-dichlorophenol, 4-chloroaniline, caprolactam, 2-nitroaniline, and 4-nitroaniline (27%D to 55%D) in FB091014
- 4-nitrophenol, and benzo(b)fluoranthene (22%D to 95%D) in samples RSB/MW-16 1-3, RSB/MW-16 17-18, and RSB/MW-14 1-3
- naphthalene (41%D) in sample FB091014
- benzaldehyde, bis(2-chloroisopropyl)ether, and bis(2-ethylhexyl)phthalate (22%D to 23%D) in sample RSB/MW-16 11-13

Selected Ion Monitoring (SIM) was used to provide greater sensitivity for selected analytes in the aqueous samples. The raw data mass spectra and ion plots for detections determined by this method were not provided in the data package and therefore were not validated. Retention times and fit values are used to support identifications; the spectra can be provided by the laboratory if full validation of those items is required.

It is noted that the area integration responses for the many of the compounds processed in the lowest SIM initial calibration standard are manually integrated. This is only appropriate if the laboratory manually reviews each sample for those responses. The laboratory should have included ion plots illustrating their manual determination in those standards.

The raw data for the aqueous blank processed by SIM was provided on request.

The date of 04/28/14 was entered on the Form 5 as the DFTPP tune file acquisition for the SIM analysis, instead of 02/28/14.

TAL Metals Analyses by EPA 6010B and 7470/7471

Matrix spikes were performed on MW-7, with acceptable accuracy and precision. However, although all analytes should have been spiked, that accuracy evaluation was not performed on aluminum, calcium, magnesium, potassium, and sodium.

The ICP serial dilution evaluation for MW-7 shows acceptable correlations, with the exception of that for copper (21%D). The result for that element in the parent sample has been qualified as estimated, with a possible high bias.

The results for lead in MW-2, MW-3, MWS-D, MW-7, and DUP022414 are qualified as estimated, with a possible low bias, due to low recovery (50%) in the associated low level concentration calibration standard.

The results for aluminum in MW-7 and DUP022414 are qualified as estimated, with a possible high bias, due to elevated recovery (147%) in the associated low level concentration calibration standard.

The QC form that summarizes blank results does not include the "U" flag to represent the reporting limit concentration, and neither MDL nor RL values are provided. It is therefore not readily apparent whether the blanks contain valid concentrations of the target elements.

Volatile Analyses by EPA TO-15

The results for IA092514 and SV-6 (from 09/25/14) are rejected and not usable, due to improper vacuum issues. The pressure of the canister for IA092514 had already lost significant vacuum (up to -12"Hg) prior to sample collection, and therefore external contamination cannot be ruled out. SV-6 (from 09/25/14) retained a vacuum (-25"Hg) at 7.5 hours after sample collection, indicating a failed system. The SV-6 location was successfully evaluated with March 2015 data

Due to poor mass spectral quality, the detections of methylene chloride and 1,3-butadiene in SV-5 (03/18/15) and methylene chloride in IA031815 have been edited to reflect non-detection.

The detection of methylene chloride in the samples reported in SDGs 14B0660 and 14C0014 are considered external contamination due to presence in the associated method blanks, and have been edited to non-detection.

Vinyl acetate results in SV-4 (09/25/14) and SV-5 (09/25/14) are qualified as estimated due to low recovery (60%) of that compound in the associated LCS.

The duplicate analysis of SV-5 shows good correlations.

Calibration standard linearity and percent difference values fall within validation guidelines, with the following exceptions, results for which are qualified as estimated in the indicated samples:

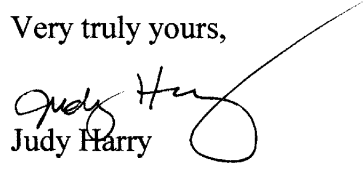
- benzyl chloride, 2-hexanone, and 1,2,4-trichlorobenzene (39%D to 68%D) in samples reported in SDG 14B0660
- benzyl chloride and 2-hexanone (36%RSD and 31%RSD) in SV-4 (09/25/14) and SV-5 (09/25/14)
- benzyl chloride, acrylonitrile, and 1,2,4-trichlorobenzene (35%RSD to 40%RSD) in samples reported in SDG 15C0645

It is noted that the area integration responses for the four compounds processed in the lowest initial calibration standard are manually integrated. This is only appropriate if the laboratory manually reviews each sample for those responses. The laboratory should have included ion plots illustrating their manual determination in those standards.

Holding times and instrument tunes meet requirements. The clean canister certifications were requested and reviewed during validation.

Please do not hesitate to contact me if you have comments or questions regarding this report.

Very truly yours,


Judy Harry

VALIDATION DATA QUALIFIER DEFINITIONS

- U** The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit.
- J** The analyte was positively identified; the associated numerical value is an approximate concentration of the analyte in the sample.
- J-** The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased low.
- J+** The analyte was positively identified; the associated numerical value is an estimated quantity that may be biased high.
- UJ** The analyte was analyzed for, but was not detected. The associated reported quantitation limit is approximate and may be inaccurate or imprecise.
- NJ** The detection is tentative in identification and estimated in value. Although there is presumptive evidence of the analyte, the result should be used with caution as a potential false positive and/or elevated quantitative value.
- R** The data are unusable. The sample results are rejected due to serious deficiencies in meeting Quality Control limits. The analyte may or may not be present.
- EMPC** The results do not meet all criteria for a confirmed identification. The quantitative value represents the Estimated Maximum Possible Concentration of the analyte in the sample.

CLIENT and LABORATORY SAMPLE IDs

DATA PACKAGE COVER PAGE

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 14B0262

Client: Roux Associates

Project: 1575.00024

Client Sample Id:

RSB-14/4D(2.5-3)

RSB-14/4D(5-7)

RSB-14/4D(10-11)

RSB-14/4D(10-11)

RSB-14/4D(38-40)

FB021014

TB021014

Lab Sample Id:

14B0262-01

14B0262-02

14B0262-03

14B0262-03RE1

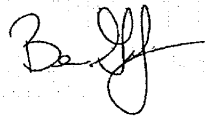
14B0262-04

14B0262-05

14B0262-06

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures.

Signature:



Name:

Benjamin Gulizia

Date:

4/2/2014

Title:

Laboratory Director

DATA PACKAGE COVER PAGE

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 14B0311

Client: Roux Associates

Project: 1575.00024

Client Sample Id:

RSB-13/9-11

RSB-13/19-21

DUP021214

TB021214

FB021214

Lab Sample Id:

14B0311-01

14B0311-02

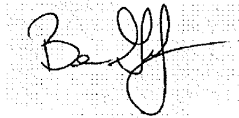
14B0311-03

14B0311-04

14B0311-05

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Signature:



Name:

Benjamin Gulizia

Date:

4/3/2014

Title:

Laboratory Director

DATA PACKAGE COVER PAGE

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 14B0376

Client: Roux Associates

Project: 1575.00024

Client Sample Id:

RSB-12/9-11

RSB-12/18-20

TB-2/021214

Lab Sample Id:

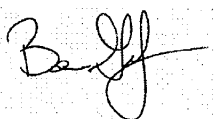
14B0376-01

14B0376-02

14B0376-03

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Signature:



Name:

Benjamin Gulizia

Date:

4/8/2014

Title:

Laboratory Director

DATA PACKAGE COVER PAGE

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 14B0508

Client: Roux Associates

Project: 1575.00024

Client Sample Id:

RSB-8/1.5-3.5

RSB-8/5-7

RSB-8/5-7

RSB-8/8.5-10.5

RSB-8/18.5-20.5

RSB-9/8.5-10.5

RSB-9/8.5-10.5

RSB-9/18.5-20.5

RSB-7/8.5-10.5

RSB-7/18.5-20.5

FB021914

TB021914(trip blank)

Lab Sample Id:

14B0508-01

14B0508-02

14B0508-02RE1

14B0508-03

14B0508-04

14B0508-05

14B0508-05RE1

14B0508-06

14B0508-07

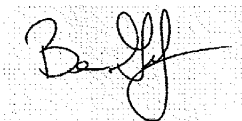
14B0508-08

14B0508-09

14B0508-10

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Signature:



Name:

Benjamin Gulizia

Date:

4/8/2014

Title:

Laboratory Director

DATA PACKAGE COVER PAGE

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 14B0515

Client: Roux Associates

Project: 1575.00024

Client Sample Id:

RSB-6/9-11

RSB-6/19-21

RSB-5/8.5-10.5

RSB-5/18.5-20.5

FB021814

TB021814(Trip Blank)

Lab Sample Id:

14B0515-01

14B0515-02

14B0515-03

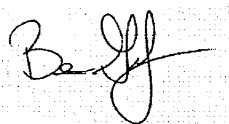
14B0515-04

14B0515-05

14B0515-06

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Signature:



Name:

Benjamin Gulizia

Date:

4/10/2014

Title:

Laboratory Director

DATA PACKAGE COVER PAGE

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 14B0560

Client: Roux Associates

Project: 1575.00024

Client Sample Id:

RSB-10/7.5-9.5
RSB-10/17.5-19.5
RSB-11/7.5-9.5
RSB-11/17.5-19.5
RSB-1/10-12
RSB-1/20-22
DUP022014
FB022014
RSB-3/8-10
RSB-3/18-20
TripBlank

Lab Sample Id:

14B0560-01
14B0560-02
14B0560-03
14B0560-04
14B0560-05
14B0560-06
14B0560-07
14B0560-08
14B0560-09
14B0560-10
14B0560-11

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Signature:



Name:

Benjamin Gulizia

Date:

4/11/2014

Title:

Laboratory Director

DATA PACKAGE COVER PAGE

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 14B0571

Client: Roux Associates

Project: 1575.00024

Client Sample Id:

RSB-2/1-3

RSB-2/5-7

RSB-2/11-13

RSB-2/11-13

RSB-2/18-20

RSB-4/8/10

RSB-4/18/20

FB022114

Trip Blank

Lab Sample Id:

14B0571-01

14B0571-02

14B0571-03

14B0571-03RE1

14B0571-04

14B0571-05

14B0571-06

14B0571-07

14B0571-08

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Signature:



Name:

Benjamin Gulizia

Date:

4/14/2014

Title:

Laboratory Director

DATA PACKAGE COVER PAGE

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 14B0649

Client: Roux Associates

Project: 1575.00024

Client Sample Id:

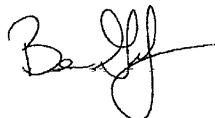
MW-1
MW-2
MW-3
MW-4D
MW-6
MW-7
DUP022414
TripBlank
FB022414

Lab Sample Id:

14B0649-01
14B0649-02
14B0649-03
14B0649-04
14B0649-05
14B0649-06
14B0649-07
14B0649-08
14B0649-09

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Signature:



Name:

Benjamin Gulizia

Date:

4/14/2014

Title:

Laboratory Director

DATA PACKAGE COVER PAGE

EPA TO-15

Laboratory: York Analytical Laboratories, Inc.

SDG: 14B0660

Client: Roux Associates

Project: 1575.00024

Client Sample Id:

SV-1

SV-3

SV-4

SV-5

Outdoor Ambient

IA-1

Lab Sample Id:

14B0660-01

14B0660-02

14B0660-03

14B0660-04

14B0660-05

14B0660-06

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Signature:



Name:

Benjamin Gulizia

Date:

3/3/2014

Title:

Laboratory Director

DATA PACKAGE COVER PAGE

EPA TO-15

Laboratory: York Analytical Laboratories, Inc.

SDG: 14C0014

Client: Roux Associates

Project: 1575.00024

Client Sample Id:

SV-2

Lab Sample Id:

14C0014-01

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Signature:



Name:

Benjamin Gulizia

Date:

3/5/2014

Title:

Laboratory Director

DATA PACKAGE COVER PAGE

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 14I0443

Client: Roux Associates

Project: Kristal (Brooklyn) - 1575.00024

Client Sample Id:

RSB/MW-16 11-13

RSB/MW-16 11-13

RSB/MW-16 1-3

RSB/MW-16 17-18

RSB/MW-14 1-3

TB090914

FB091014

Lab Sample Id:

14I0443-01

14I0443-01RE1

14I0443-02

14I0443-03

14I0443-04

14I0443-05

14I0443-06

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Signature:



Name:

Benjamin Gulizia

Date:

10/27/2014

Title:

Laboratory Director

DATA PACKAGE COVER PAGE

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 14I0505

Client: Roux Associates

Project: 1575.00024

Client Sample Id:

RSB/MW-15/4-5

RSB/MW-15/10-11

RSB/MW-15/10-11

RSB/MW-15/14-15

RSB/MW-14/12-14

RSB/MW-14/17-18

FB091014

TB091014

DUP091014

RSB/MW-17/1-3

RSB/MW-17/13-15

RSB/MW-17/13-15

RSB/MW-17/17-18

Lab Sample Id:

14I0505-01

14I0505-02

14I0505-02RE1

14I0505-03

14I0505-04

14I0505-05

14I0505-06

14I0505-07

14I0505-08

14I0505-09

14I0505-10

14I0505-10RE1

14I0505-11

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Signature:



Name:

Benjamin Gulizia

Date:

10/26/2014

Title:

Laboratory Director

DATA PACKAGE COVER PAGE

EPA TO-15

Laboratory: York Analytical Laboratories, Inc.

SDG: 14I1112

Client: Roux Associates

Project: 1575.00034

Client Sample Id:

SV-4

SV-5

SV-6

IA092514

IA092514

Lab Sample Id:

14I1112-01

14I1112-02

14I1112-03

14I1112-04

14I1112-04RE1

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Signature:



Name:

Benjamin Gulizia

Date:

11/6/2014

Title:

Laboratory Director

DATA PACKAGE COVER PAGE

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 14J0015

Client: Roux Associates

Project: 1575.00034

Client Sample Id:

MW-9

MW-3

FB092614

DUP092614

TRIP BLANK

Lab Sample Id:

14J0015-01

14J0015-02

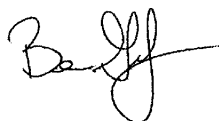
14J0015-03

14J0015-04

14J0015-05

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Signature:



Name:

Benjamin Gulizia

Date:

10/16/2014

Title:

Laboratory Director

DATA PACKAGE COVER PAGE

EPA TO-15

Laboratory: York Analytical Laboratories, Inc.

SDG: 15C0645

Client: Roux Associates

Project: 1575.00024

Client Sample Id:

SV-4

SV-5

SV-6

AMB031815

1A031815

1A031815

Lab Sample Id:

15C0645-01

15C0645-02

15C0645-03

15C0645-04

15C0645-05

15C0645-05RE1

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Signature:



Name:

Benjamin Gulizia

Date:

4/13/2015

Title:

Laboratory Director

Soil Boring Logs

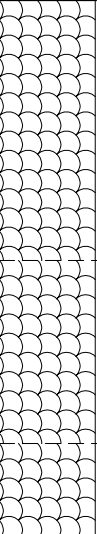
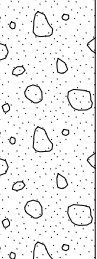
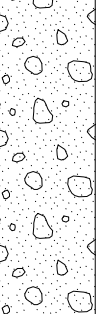


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Islandia, NY 11749
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Fax: (631) 232-9898

Page 1 of 1

SOIL BORING LOG

WELL NO. RSB-1	NORTHING Not Measured	EASTING Not Measured		
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall		LOCATION 5200 Kings Highway Brooklyn, NY		
APPROVED BY	LOGGED BY Joe Gavin			
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.		GEOGRAPHIC AREA North Side of the Eastern Parking Lot		
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 2/20/14-2/20/14
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	BACKFILL		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID V a l u e s (ppm)	REMARKS
		ASPHALT.			
		Light Brown, Fine to Coarse SAND, some Gravel (fill); dry.			
5		Brown, Fine to Coarse SAND, little gravel (fill); dry.		0.0 ppm	Hand-cleared to 5' bls. 3' Recovery.
		Brown, Fine to Coarse SAND, some brick fragments (fill); dry.			
10		Brown, Fine to Coarse SAND, little gravel; wet at 10'.		0.0 ppm	2' Recovery.
		Brown, Fine to Coarse SAND, some Gravel; wet.		0.0 ppm	Sample collected 10'-12' for TCL VOCs and TCL SVOCs.
				0.0 ppm	
15				0.0 ppm	2' Recovery.
				0.0 ppm	
20				0.0 ppm	Sample collected 20'-22' for TCL VOCs and TCL SVOCs.

BORING/FEET 1575.0002Y.GPJ ROUX.GDT 5/28/15



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Environmental Consulting
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SOIL BORING LOG

WELL NO. RSB-2	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall	LOCATION 5200 Kings Highway Brooklyn, NY	
APPROVED BY	LOGGED BY Joe Gavin	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.	GEOGRAPHIC AREA North Side of the Eastern Parking Lot	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/21/14-2/21/14
		BACKFILL

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		ASPHALT. Dark Brown, Fine to Coarse SAND and GRAVEL, some Brick (fill); dry. Light Brown Fine to Coarse SAND, some Gravel (fill); dry. Brown, Fine to Coarse SAND, some Gravel. Concrete at 3.5' (fill); dry. Brown, Fine to Coarse SAND, some Gravel, little brick and concrete fragments (fill); dry. Brown, Fine to Coarse SAND, some Silt, little Gravel (fill); dry. Grey, and Dark Brown Fine to Coarse SAND, some Gravel, little silt; dry. Grey, Fine to Coarse SAND, some Silt, little gravel; wet at 10'. Grey, Fine to Coarse SAND, some Gravel, little silt; wet. Light Brown, Fine to Coarse SAND, some Gravel; wet.		0.0 ppm 0.4 ppm 0.5 ppm 2.0 ppm 43.3 ppm 386 ppm 440 ppm 138 ppm 70 ppm 6.0 ppm 7.5 ppm	Sample collected 1'-3' for TCL VOCs and TCL SVOCs. Hand-cleared to 5' bls. 2' Recovery Sample collected 5'-7' for TCL VOCs and TCL SVOCs. 3' Recovery. Sample collected 11'-13' for TCL VOCs and TCL SVOCs. 4' Recovery. Sample collected 18'-20' for TCL VOCs and TCL SVOCs.
5					5
10					10
15					15
20					20

BORING/FEET 1575.0002Y.GPJ ROUX.GDT 5/28/15



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Page 1 of 1

SOIL BORING LOG

WELL NO. RSB-3	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall	LOCATION 5200 Kings Highway Brooklyn, NY	
APPROVED BY	LOGGED BY Joe Gavin	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.	GEOGRAPHIC AREA Auto Storage Area Near Offices	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/20/14-2/20/14
		BACKFILL

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE.			
		Brown, Fine to Coarse SAND and GRAVEL, some Brick (fill); dry.		0.3 ppm	
5					Hand-cleared to 5' bls.
				0.0 ppm	2' Recovery.
10				0.0 ppm	Sample collected from 8'-10' for TCL VOCs and TCL SVOCs.
		Brown, Fine to Coarse SAND, some Silt, little gravel; wet at 10'.		0.0 ppm	2' Recovery.
15				0.3 ppm	
		Brown, Fine to Coarse SAND, some Gravel; wet.		0.0 ppm	3' Recovery.
				1.2 ppm	
20				0.0 ppm	Sample collected from 18'-20' for TCL VOCs and TCL SVOCs.

BORING/FEET 1575.0002Y.GPJ ROUX.GDT 5/28/15



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Page 1 of 1

SOIL BORING LOG

WELL NO. RSB-4	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall	LOCATION 5200 Kings Highway Brooklyn, NY	
APPROVED BY	LOGGED BY Joe Gavin	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.	GEOGRAPHIC AREA Auto Storage Area Near Offices	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/21/14-2/21/14
		BACKFILL

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE.			
		VOID.			
		Brown, Fine to Coarse SAND, some Gravel, little silt (fill); dry.		1.2 ppm	
5				0.0 ppm	Hand-cleared to 5' bls. 2.5' Recovery.
		Brown, Fine to Coarse SAND, some Gravel, some Brick, little silt (fill); dry.		2.2 ppm	
		Grey, Fine to Coarse SAND and GRAVEL, wet at 10'.		2.5 ppm	Sample collected 8'-10' for TCL VOCs and TCL SVOCs.
10				8.7 ppm	2.5' Recovery.
		Brown, Fine to Coarse SAND, some Gravel; wet.		7.3 ppm	
				1.9 ppm	5' Recovery.
15				5.9 ppm	
				3.4 ppm	Sample collected 18'-20' for TCL VOCs and TCL SVOCs.
20					

BORING/FEET 1575.0002Y.GPJ ROUX.GDT 5/28/15



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WELL CONSTRUCTION LOG

WELL NO. RSB-6/MW-5	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall	LOCATION 5200 Kings Highway Brooklyn, NY	
APPROVED BY	LOGGED BY Joe Gavin	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.	GEOGRAPHIC AREA South Side of Auto Repair Shop	
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler	BOREHOLE DIAMETER 8-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted	MAT. PVC
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING
		TOP & BOTTOM SCREEN /
		TOTAL LENGTH 10.0ft
		DIA. 4-inch
		SLOT SIZE 20-Slot
		SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/18/14-2/18/14
		GRAVEL PACK SIZES #2 Morie

Depth, feet	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	CONCRETE.		0.0 ppm	
	VOID.		0.0 ppm	
	Brown, Fine to Coarse SAND, little gravel (fill); dry.		0.0 ppm	
5	Light Brown, Fine to Coarse SAND, little gravel; dry.		0.0 ppm	Hand-cleared to 5' bls. 1.5' Recovery.
10	Brown, Fine to Coarse SAND, trace gravel; wet at 11'.		10.1 ppm	Sample collected 9'-11' for TCL VOCs and TCL SVOCs.
15			14.2 ppm	5' Recovery.
20			8.3 ppm	
			7.4 ppm	Sample collected 19'-21' for TCL VOCs and TCL SVOCs.

BORING/FEET 1575.0002Y.GPJ ROUX.GDT 5/28/15



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Page 1 of 1

SOIL BORING LOG

WELL NO. RSB-7	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall	LOCATION 5200 Kings Highway Brooklyn, NY	
APPROVED BY	LOGGED BY Joe Gavin	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.	GEOGRAPHIC AREA South Side of Auto Repair Shop	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/19/14-2/19/14
		BACKFILL

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Brown, Fine to Coarse SAND and GRAVEL, some Brick (fill); dry.		0.0 ppm	
5					
		Brown, Fine to Coarse SAND and GRAVEL; wet at 10.5'.		2.5	Hand-cleared to 5' bls. 2' Recovery.
10					
		Brown, Fine to Coarse SAND, little silt and gravel; wet.		5.3 ppm	3.5' Recovery.
				3.8	
		Brown, Fine to Coarse SAND, some Gravel; wet.		3.1 ppm	
15					
				4.9 ppm	4' Recovery.
				4.5 ppm	Sample collected 18.5'-20.5' for TCL VOCs and TCL SVOCs.
20					

BORING/FEET 1575.0002Y.GPJ ROUX.GDT 5/28/15



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SOIL BORING LOG

WELL NO. RSB-8	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall	LOCATION 5200 Kings Highway Brooklyn, NY	
APPROVED BY	LOGGED BY Joe Gavin	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.	GEOGRAPHIC AREA North Side of Auto Repair Shop	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/19/14-2/19/14
		BACKFILL

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE.			
		VOID.			
		Brown, Fine to Coarse SAND, little gravel (fill); dry.		0.4 ppm	Sample collected 1.5'-3.5' TCL VOCs and TCL SVOCs.
		Brown, Fine to Coarse SAND and GRAVEL, little brick fragments (fill); dry.		0.3 ppm	
5		Brown, Fine to Coarse SAND and GRAVEL with some Brick (fill); dry.		0.5 ppm	Hand-cleared to 5' bls. 2' Recovery. Sample collected 5'-7' TCL VOCs and TCL SVOCs.
		Brown, Fine to Coarse SAND and GRAVEL with some Brick (fill); dry.		0.7 ppm	
10		Brown, Fine to Coarse SAND and GRAVEL; wet at 10.5'.		0.4 ppm	Sample collected 8.5'-10.5' TCL VOCs and TCL SVOCs.
		Grey, Fine to Medium SAND, some Silt, trace coarse sand; wet.		5.5 ppm	4' Recovery.
		Grey, Fine to Coarse SAND, some Gravel; wet.		11.8 ppm	
		Brown, Fine to Coarse SAND, some Gravel; wet.		1.5 ppm	
15		Brown, Fine to Coarse SAND, some Gravel; wet.		3.2 ppm	5' Recovery.
		Brown, Fine to Coarse SAND, some Gravel; wet.		2.4 ppm	
		Brown, Fine to Coarse SAND, some Gravel; wet.		2.0 ppm	Sample collected 18.5'-20.5' TCL VOCs and TCL SVOCs.
20		Brown, Fine to Coarse SAND, some Gravel; wet.			

BORING/FEET 1575.0002Y.GPJ ROUX.GDT 5/28/15



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SOIL BORING LOG

WELL NO. RSB-9	NORTHING Not Measured	EASTING Not Measured		
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall		LOCATION 5200 Kings Highway Brooklyn, NY		
APPROVED BY	LOGGED BY Joe Gavin			
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.		GEOGRAPHIC AREA North Side of Auto Repair Shop		
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 2/19/14-2/19/14
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
5		Fine to Coarse SAND and GRAVEL; dry.			
		Brown, Fine to Coarse SAND, some Gravel; dry.			Hand-cleared to 5' bls.
		Brown, Fine SAND and SILT, some Coarse Sand, trace clay; dry.		3.2 ppm	2' Recovery.
10		Grey and Brown, Fine SAND and SILT, some Coarse Sand, trace clay. Wet at 10.5'.			Sample collected 8.5'-10.5' TCL VOCs and TCL SVOCs.
		Grey, Fine to Coarse SAND, little gravel; wet.		4.8 ppm	5' Recovery.
		Brown, Fine to Coarse SAND, little gravel; wet.		3.5 ppm	
15		Brown and Grey, Fine to Coarse SAND, some Gravel; wet.		3.5 ppm	5' Recovery.
		Brown, Fine to Coarse SAND, some Gravel; wet.		4.1 ppm	
20				3.5 ppm	Sample collected 18.5'-20.5' TCL VOCs and TCL SVOCs.

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SOIL BORING LOG

WELL NO. RSB-10	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall	LOCATION 5200 Kings Highway Brooklyn, NY	
APPROVED BY	LOGGED BY Joe Gavin	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.	GEOGRAPHIC AREA Auto Storage / Auto Wash Area	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/20/14-2/20/14
		BACKFILL

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE.			
		VOID.			
		Brown, Fine to Coarse SAND and GRAVEL (fill); dry.		1.6 ppm	
				2.6 ppm	
		Brown, Fine to Coarse SAND, some Gravel (fill); dry.		0.4 ppm	
5		Light Brown, Fine to Coarse SAND, little gravel (fill); wet at 9.5'.			Hand-cleared to 5' bls. 5' Recovery.
					Sample collected 7.5'-9.5' for TCL VOCs and TCL SVOCs.
10		Brown, Fine to Coarse SAND, little gravel; wet.			
				5.0 ppm	2.5' Recovery.
				3.3 ppm	
				2.5 ppm	
15				4.3 ppm	5' Recovery.
				5.3 ppm	Sample collected 17.5'-19.5' for TCL VOCs and TCL SVOCs.
20					

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SOIL BORING LOG

WELL NO. RSB-11	NORTHING Not Measured	EASTING Not Measured		
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall		LOCATION 5200 Kings Highway Brooklyn, NY		
APPROVED BY	LOGGED BY Joe Gavin			
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.		GEOGRAPHIC AREA Outside Paint Booth Area		
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 2/20/14-2/20/14
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	BACKFILL		

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID V a l u e s (ppm)	REMARKS
		CONCRETE.			
		VOID.			
5		Brown, Fine to Coarse SAND, some Gravel (fill); dry.			
10		Brown, Fine to Coarse SAND, little Gravel (fill); wet at 9.5'.			
		Brown, Fine to Coarse SAND, some Gravel; wet.			
		Grey, Fine to Coarse SAND, some Gravel; wet.			
15		Grey, Fine to Coarse SAND, some Gravel; wet.			
		Brown, Fine to Coarse SAND, some Gravel; wet.			
20					

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WELL CONSTRUCTION LOG

WELL NO. RSB-12/MW-7		NORTHING Not Measured		EASTING Not Measured	
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall		LOCATION 5200 Kings Highway			
APPROVED BY		LOGGED BY Joe Gavin		Brooklyn, NY	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.		GEOGRAPHIC AREA North Side of Auto Storage Area			
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler	BOREHOLE DIAMETER 8-inches	DRILLING EQUIPMENT/METHOD / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 2/12/14-2/12/14	
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted	MAT. PVC	TOTAL LENGTH 10.0ft	DIA. 4-inch	SLOT SIZE 20-Slot
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN /	GRAVEL PACK SIZES #2 Morie	

Depth, feet	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
0	CONCRETE.			
5	Brown, Fine to Coarse SAND and GRAVEL (fill); dry.		2.0 ppm	
10	Brown, Fine to Medium SAND, some Coarse Sand, trace gravel; dry.		1.4 ppm	Hand-cleared to 5' bls. 2' Recovery.
15	Brown, Fine to Coarse SAND, some Gravel; wet at 11'.		1.6 ppm	
20	Brown, Fine to Coarse SAND, trace gravel; wet.		1.8 ppm	Sample collected 9'-11' TCL VOCs and TCL SVOCs.
25	Brown and Grey, Fine to Coarse SAND, trace gravel; wet.		1.1 ppm	3.5' Recovery.
30	Grey, Fine to Coarse SAND, trace gravel; wet.		1.0 ppm	
35	Brown, Fine to Coarse SAND, trace gravel; wet.		2.2 ppm	
40			2.6 ppm	
45			2.0 ppm	5' Recovery.
50			2.7 ppm	
55			2.6 ppm	Sample collected 18'-20' for TCL VOCs and TCL SVOCs.

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WELL CONSTRUCTION LOG

WELL NO. RSB-13/MW-6	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall	LOCATION 5200 Kings Highway Brooklyn, NY	
APPROVED BY	LOGGED BY Joe Gavin	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.	GEOGRAPHIC AREA Southwest Corner of South Parking Lot	
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler	BOREHOLE DIAMETER 8-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted	MAT. PVC
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING
		TOP & BOTTOM SCREEN /
		SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/12/14-2/12/14
		GRAVEL PACK SIZES #2 Morie
		SLOT SIZE 20-Slot
		TOTAL LENGTH 11.0ft
		DIA. 4-inch

Depth, feet	Flush-mount manhole cover.	J-Plug	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
				ASPHALT.			
				Dark Brown, Fine to Coarse SAND and Gravel (fill); dry.		0.0 ppm	
				Dark Brown, Fine to Medium SAND, some Silt, little coarse sand (fill); dry.		0.0 ppm	
5				Dark Brown, Fine to Medium SAND, some Silt, little coarse sand; dry.			Hand-cleared to 5' bls. 2' Recovery.
						0.3	
10				Dark Brown, Fine to Coarse SAND, some Gravel; wet at 10.5'.		0.0 ppm	Sample collected 9'-11' TCL VOCs and TCL SVOCs.
				Grey, Fine to Medium SAND and SILT, trace coarse sand/gravel; wet.		0.5 ppm	3' Recovery.
				Brown and Grey, Fine to Coarse SAND, some Gravel; wet.		0.9 ppm	
15						0.7 ppm	
						0.0 ppm	2.5' Recovery. Groundwater sample collected for TCL VOCs, TCL SVOCs, and TAL Metals.
20				Brown, Fine to Coarse SAND, some Gravel; wet.		0.0 ppm	Sample collected 19'-21' for TCL VOCs and TCL SVOCs.
						0.0 ppm	

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WELL CONSTRUCTION LOG

WELL NO. RSB/MW-14	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall	LOCATION 5200 Kings Highway Brooklyn, NY	
APPROVED BY	LOGGED BY Joe Gavin	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.	GEOGRAPHIC AREA Southeast Corner of Auto Repair Shop	
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler	BOREHOLE DIAMETER 8-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted	MAT. PVC
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING
		TOP & BOTTOM SCREEN /
		SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 9/9/14-9/11/14
		GRAVEL PACK SIZES #2 Morie
		SLOT SIZE 20-Slot
		TOTAL LENGTH 10.0ft
		DIA. 4-inch

Depth, feet	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	CONCRETE.			
	Brown, Fine to Coarse SAND, some GRAVEL, trace silt (fill); dry.		1.4 ppm	
			1.1 ppm	
				Sample collected 1'-3' TCL VOCs and TCL SVOCs.
			2.1 ppm	
5	Brown, Fine to Coarse SAND, some GRAVEL (fill); dry.			Hand-cleared to 5' bls.
	Brown, Fine to Coarse SAND, some SILT, trace gravel (fill); wet at 8'.		1.0 ppm	2' Recovery.
			0.5 ppm	
			0.5 ppm	
10	Brown and Grey, Fine to Coarse SAND, some GRAVEL; wet.		1.4 ppm	
			83.6 ppm	3' Recovery.
	Brown and Grey, Fine to Coarse SAND, some SILT, trace gravel; wet.		186.4 ppm	
	Brown and Grey, Fine to Coarse SAND, some GRAVEL, trace silt; wet.		211 ppm	Sample collected 12'-14' TCL VOCs and TCL SVOCs.
			182 ppm	
15			156.6 ppm	5' Recovery.
			16.3 ppm	Sample collected 17'-18' for TCL VOCs and TCL SVOCs.
	Brown Fine to Coarse SAND, some Gravel; wet.		2.2 ppm	
20				

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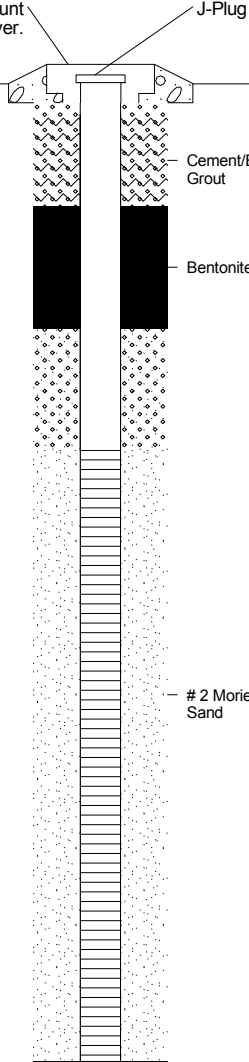
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WELL CONSTRUCTION LOG

WELL NO. RSB/MW-15	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall	LOCATION 5200 Kings Highway Brooklyn, NY	
APPROVED BY	LOGGED BY Joe Gavin	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.	GEOGRAPHIC AREA Southeast Corner of Auto Repair Shop	
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler	BOREHOLE DIAMETER 8-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted	MAT. PVC
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING
		TOP & BOTTOM SCREEN /
		SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 9/10/14-9/11/14
		GRAVEL PACK SIZES #2 Morie
		SLOT SIZE 20-Slot
		TOTAL LENGTH 10.0ft
		DIA. 4-inch

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE. VOID.			
		CONCRETE DEBRIS.			
5		Brown Fine to Coarse SAND, some Gravel with concrete; dry.		1.3 ppm	Sample collected 4'-5' TCL VOCs and TCL SVOCs. Hand-cleared to 5' bls. 1.5' Recovery.
		Brown, Fine to Coarse SAND, some GRAVEL (fill); dry.		2.0 ppm	
		Brown, Fine to Coarse SAND, some SILT, trace gravel (fill); wet at 8'.		1.8 ppm	
		Brown Fine to Coarse SAND, trace gravel; wet.		1.1 ppm	
10		Brown and Grey, Fine to Coarse SAND, trace gravel; wet.		1.3 ppm	
				427.2 ppm	2.5' Recovery. Sample collected 10'-11' TCL VOCs and TCL SVOCs.
				368.7 ppm	
				101.2 ppm	
15				7.8 ppm	Sample collected 14'-15' for TCL VOCs and TCL SVOCs.
				14.1 ppm	3' Recovery.
				9.4 ppm	
20				3.6 ppm	

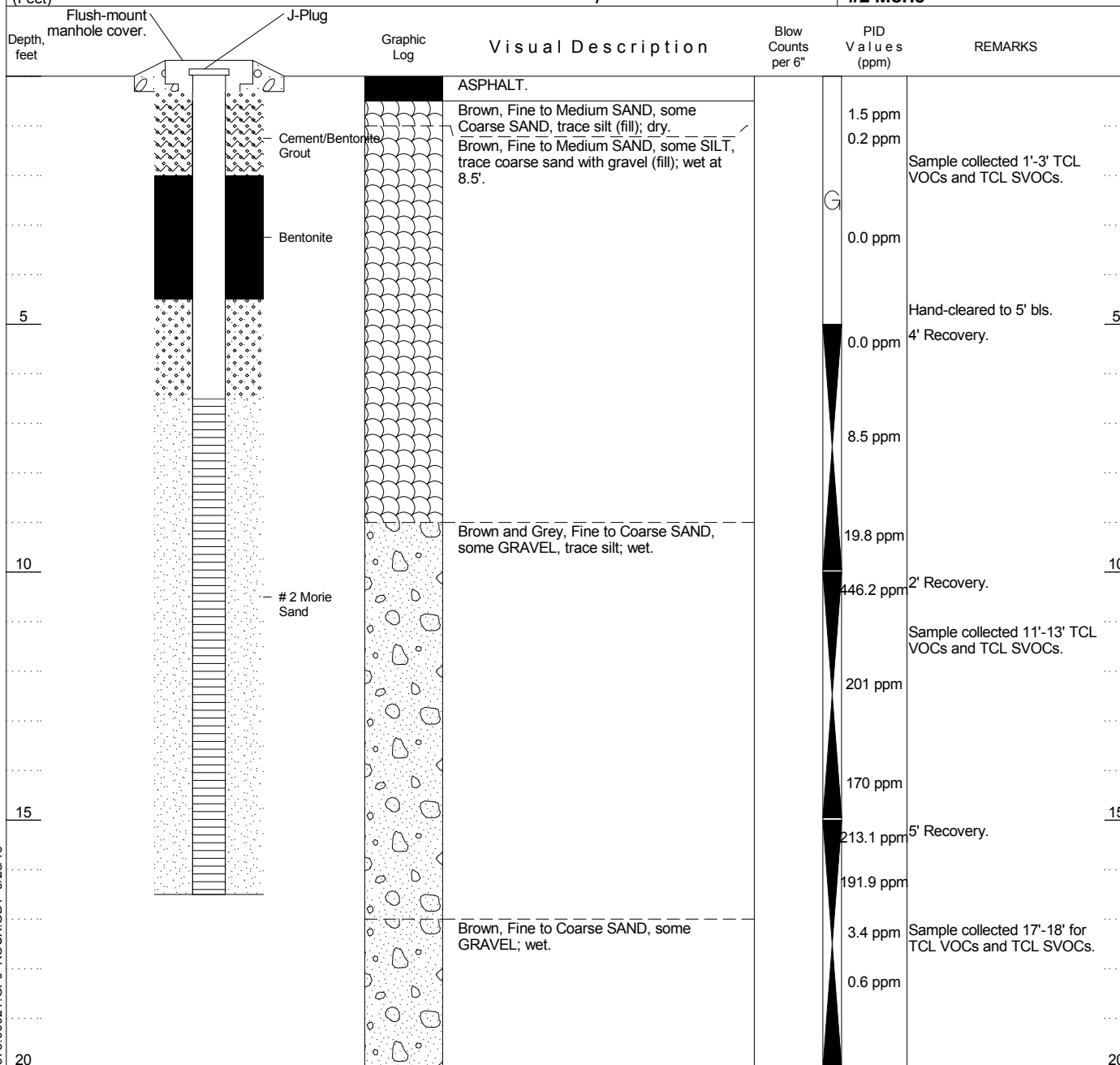
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WELL CONSTRUCTION LOG

WELL NO. RSB/MW-16		NORTHING Not Measured		EASTING Not Measured	
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall		LOCATION 5200 Kings Highway			
APPROVED BY		LOGGED BY Joe Gavin		Brooklyn, NY	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.		GEOGRAPHIC AREA North Side of the Eastern Parking Lot			
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler	BOREHOLE DIAMETER 8-inches	DRILLING EQUIPMENT/METHOD / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 9/9/14-9/12/14	
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted	MAT. PVC	TOTAL LENGTH 10.0ft	DIA. 4-inch	SLOT SIZE 20-Slot
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN /	GRAVEL PACK SIZES #2 Morie	



BORING/FEET 1575.0002Y.GPJ ROUX.GDT 5/28/15



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WELL CONSTRUCTION LOG

WELL NO. RSB/MW-17	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall	LOCATION 5200 Kings Highway Brooklyn, NY	
APPROVED BY	LOGGED BY Joe Gavin	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.	GEOGRAPHIC AREA Southeast Corner of Auto Repair Shop	
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler	BOREHOLE DIAMETER 8-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted	SAMPLING METHOD 2" Macro-Core
ELEVATION OF: (Feet)	GROUND SURFACE	START-FINISH DATE 9/10/14-9/11/14
	TOP OF WELL CASING	GRAVEL PACK SIZES #2 Morie
	TOP & BOTTOM SCREEN /	
	TOTAL LENGTH 10.0ft	
	DIA. 4-inch	SLOT SIZE 20-Slot

Depth, feet	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	CONCRETE.			
	VOID.			
	Brown, Fine to Coarse SAND, some GRAVEL (fill); dry.		0.2 ppm	Sample collected 1'-3' TCL VOCs and TCL SVOCs.
			0.3 ppm	
5				Hand-cleared to 5' bls.
			0.3 ppm	2' Recovery.
	Brown and Grey, Fine to Coarse SAND, some GRAVEL, trace silt (fill); wet at 8'.		0.6 ppm	
			0.2 ppm	
10				
			0.2 ppm	3' Recovery.
	Brown and Grey, Fine to Coarse SAND, some SILT, trace gravel; wet.		333.1 ppm	
	Brown and Grey, Fine to Coarse SAND, some GRAVEL; wet.		458.2 ppm	Sample collected 13'-15' TCL VOCs and TCL SVOCs.
15				
			376.1 ppm	4' Recovery.
	Brown Fine to Coarse SAND, some Gravel; wet.		36.2 ppm	Sample collected 17'-18' for TCL VOCs and TCL SVOCs.
			6.4 ppm	
20				

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WELL CONSTRUCTION LOG

WELL NO. RSB-14/MW-4D		NORTHING Not Measured		EASTING Not Measured	
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall		LOCATION 5200 Kings Highway			
APPROVED BY		LOGGED BY Joe Gavin		Brooklyn, NY	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.		GEOGRAPHIC AREA North Side of Auto Repair Shop			
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler	BOREHOLE DIAMETER 8-inches	DRILLING EQUIPMENT/METHOD / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 2/10/14-2/11/14	
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted	MAT. PVC	TOTAL LENGTH 10.0ft	DIA. 4-inch	SLOT SIZE 20-Slot
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN /	GRAVEL PACK SIZES #2 Morie	

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		CONCRETE.			
		VOID.			
		Brown, Fine to Medium SAND, some Coarse Sand (fill); dry.		2.0 ppm	
				3.0 ppm	Sample collected 2.5'-3' for TCL SVOCs and TCL SVOCs.
				2.0 ppm	
5					Hand-cleared to 5'bls.
				6.0 ppm	1.5' Recovery. Sample collected 5'-7' for TCL VOCs and TCL SVOCs.
10		Brown, Fine to Medium SAND, some Silt (fill); wet at 12.5'.		7.0 ppm	2.5' Recovery. Sample collected 10'-11' for TCL VOCs and TCL SVOCs.
		Brown, Fine to Medium SAND, some Silt, Some Wood Fragments (fill); wet.			
15					
		Grey and Brown, Medium to Coarse SAND, little Gravel, little Fine Sand; wet.		16.4 ppm	4' Recovery.
		Brown, Medium to Coarse SAND, little gravel and fine sand; wet.		7.4 ppm	
20				8.7 ppm	3' Recovery.

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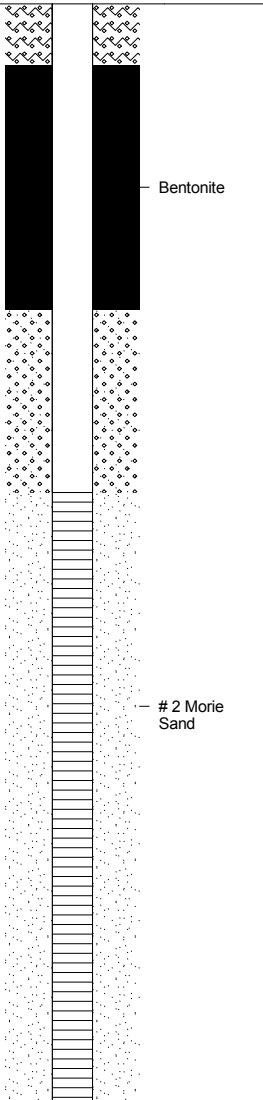
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WELL CONSTRUCTION LOG

WELL NO. RSB-14/MW-4D	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall	LOCATION 5200 Kings Highway Brooklyn, NY	
APPROVED BY	LOGGED BY Joe Gavin	

Depth, feet	Graphic Log	Visual Description (continued)	Blow Counts per 6"	PID Values (ppm)	REMARKS
25		Grey and Brown, Medium to Coarse SAND, little gravel and fine sand; wet.		4.6 ppm	
		Brown and Grey, Fine to Coarse SAND, little gravel; wet.		10.7 ppm	
		Red and Brown, Fine to Coarse SAND, little gravel; wet.		7.7 ppm	
30				2.1 ppm	2' Recovery.
35				1.0 ppm	2.5' Recovery.
40					Sample collected 38'-40' for TCL VOCs and TCL SVOCs.

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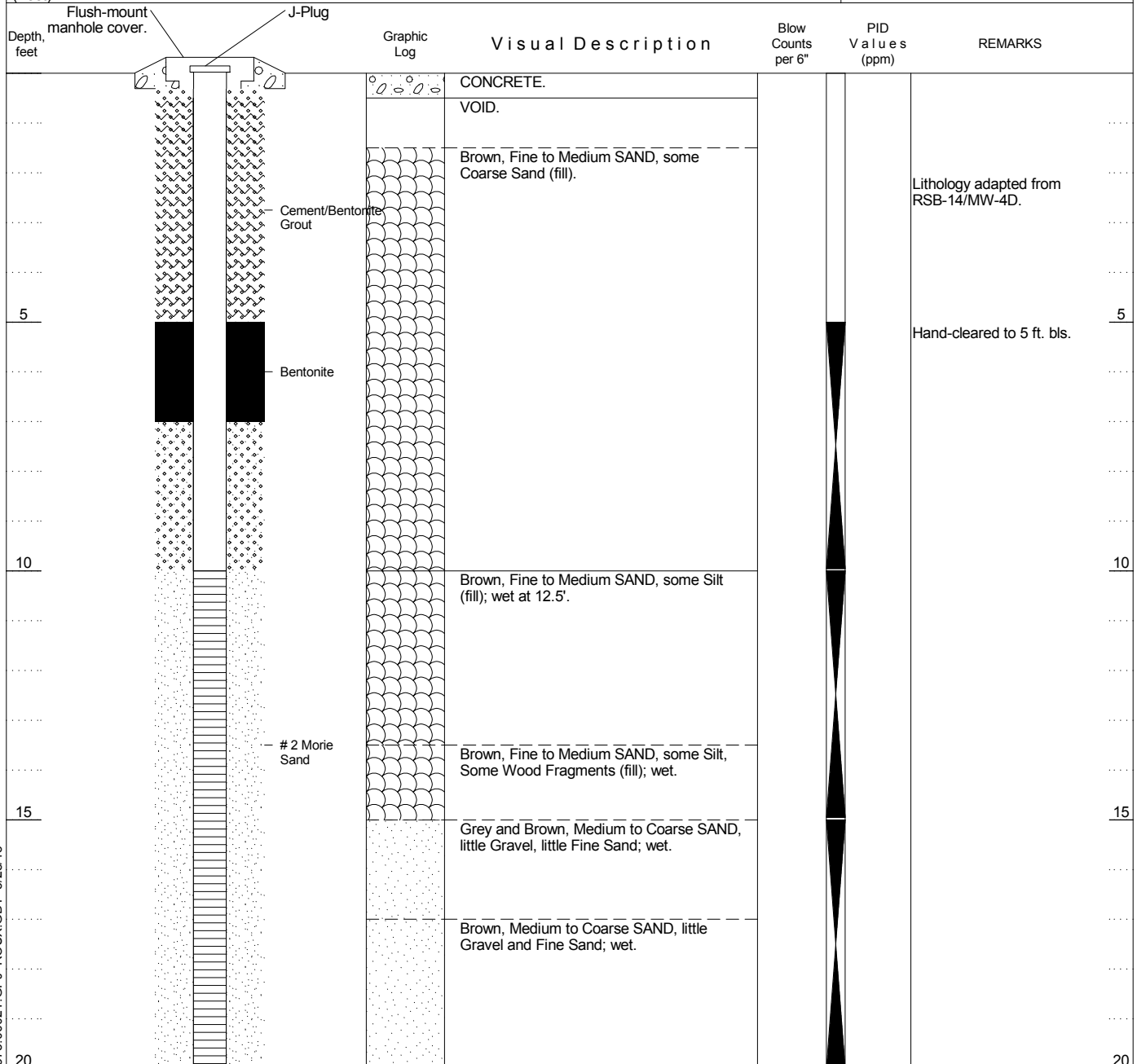
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WELL CONSTRUCTION LOG

WELL NO. MW-4S	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall		LOCATION 5200 Kings Highway Brooklyn, NY
APPROVED BY	LOGGED BY Joe Gavin	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.		GEOGRAPHIC AREA North Side of Auto Repair Shop
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler	BOREHOLE DIAMETER 8-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted	MAT. PVC
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING
		TOP & BOTTOM SCREEN /
		SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 2/11/14-2/11/14
		GRAVEL PACK SIZES #2 Morie
		TOTAL LENGTH 10.0ft
		DIA. 4-inch
		SLOT SIZE 20-Slot



BORING/FEET 1575.0002Y.GPJ ROUX.GDT 5/28/15



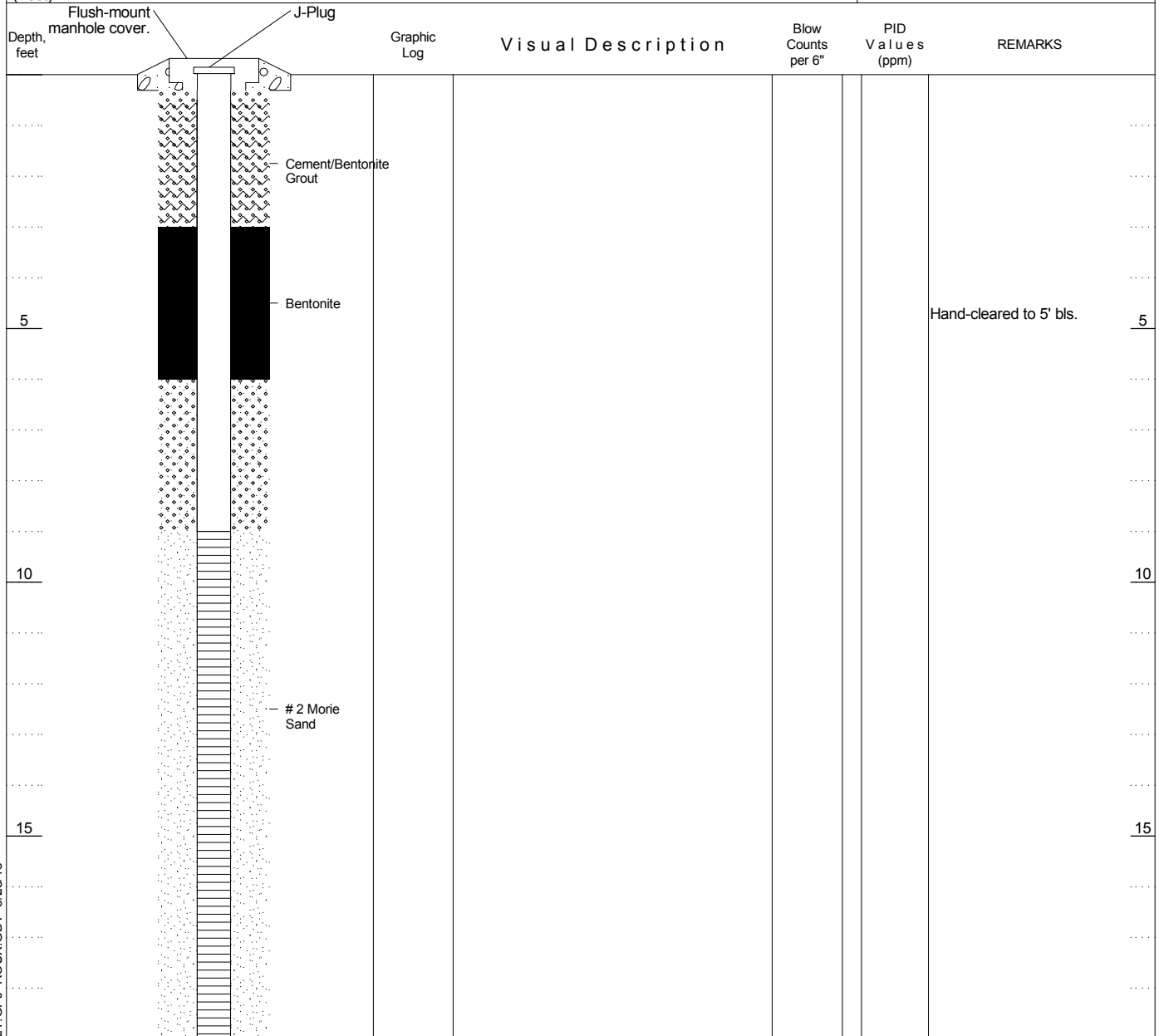
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WELL CONSTRUCTION LOG

WELL NO. MW-8	NORTHING Not Measured	EASTING Not Measured		
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall		LOCATION 5200 Kings Highway Brooklyn, NY		
APPROVED BY	LOGGED BY Joe Gavin			
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.		GEOGRAPHIC AREA South Side of Auto Repair Shop		
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler	BOREHOLE DIAMETER 8-inches	DRILLING EQUIPMENT/METHOD / Geoprobe	SAMPLING METHOD	START-FINISH DATE 9/15/14-9/15/14
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted MAT. PVC	TOTAL LENGTH 10.0ft	DIA. 4-inch	SLOT SIZE 20-Slot
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN /	GRAVEL PACK SIZES #2 Morie



BORING/FEET 1575.0002Y.GPJ ROUX.GDT 5/28/15



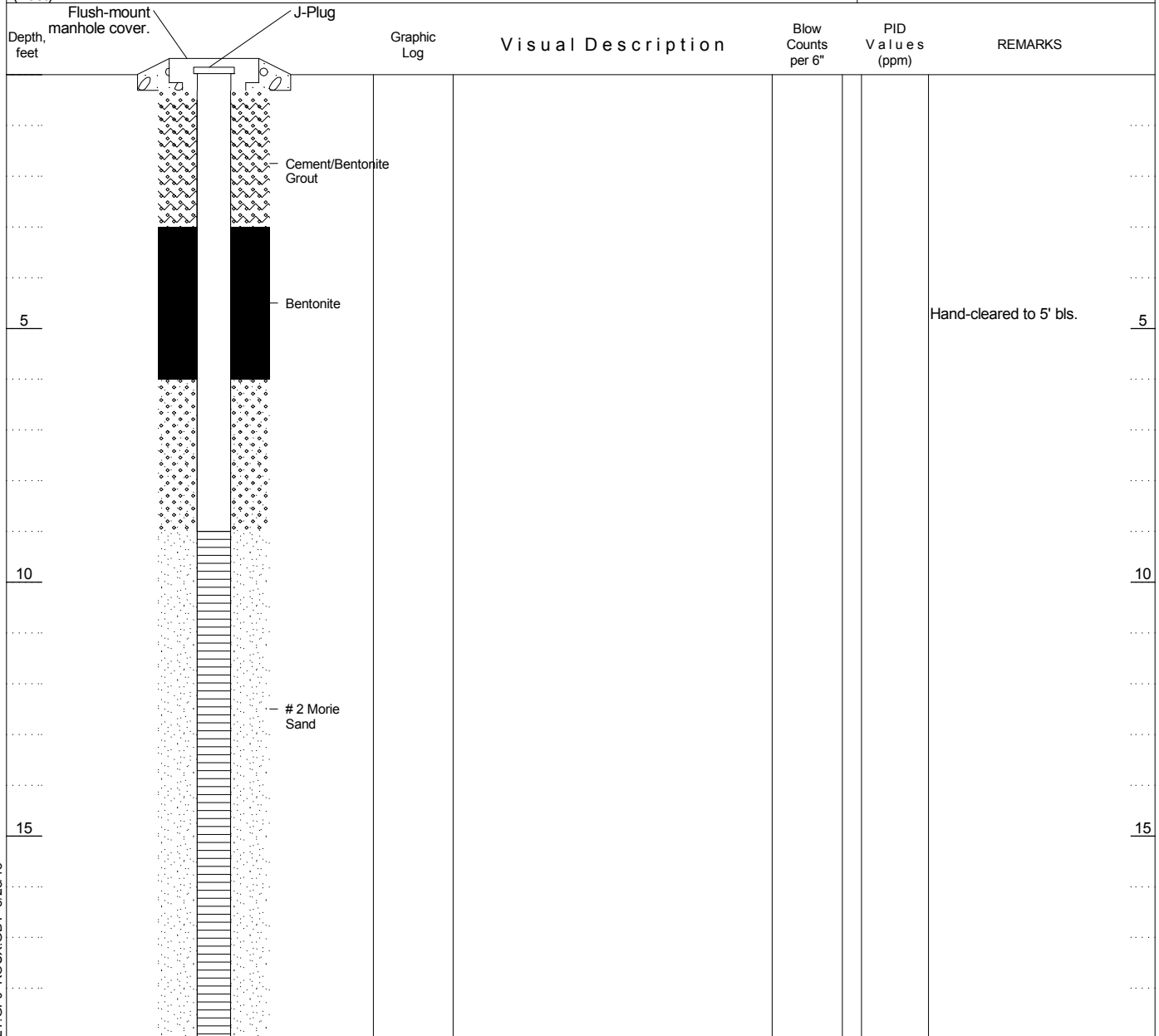
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WELL CONSTRUCTION LOG

WELL NO. MW-9	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall		LOCATION 5200 Kings Highway Brooklyn, NY
APPROVED BY	LOGGED BY Joe Gavin	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.		GEOGRAPHIC AREA South Side of Auto Repair Shop
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler	BOREHOLE DIAMETER 8-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted	MAT. PVC
TOTAL LENGTH 10.0ft		DIA. 4-inch
SLOT SIZE 20-Slot		START-FINISH DATE 9/19/14-9/19/14
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING
		TOP & BOTTOM SCREEN /
GRAVEL PACK SIZES #2 Morie		



BORING/FEET 1575.0002Y.GPJ ROUX.GDT 5/28/15



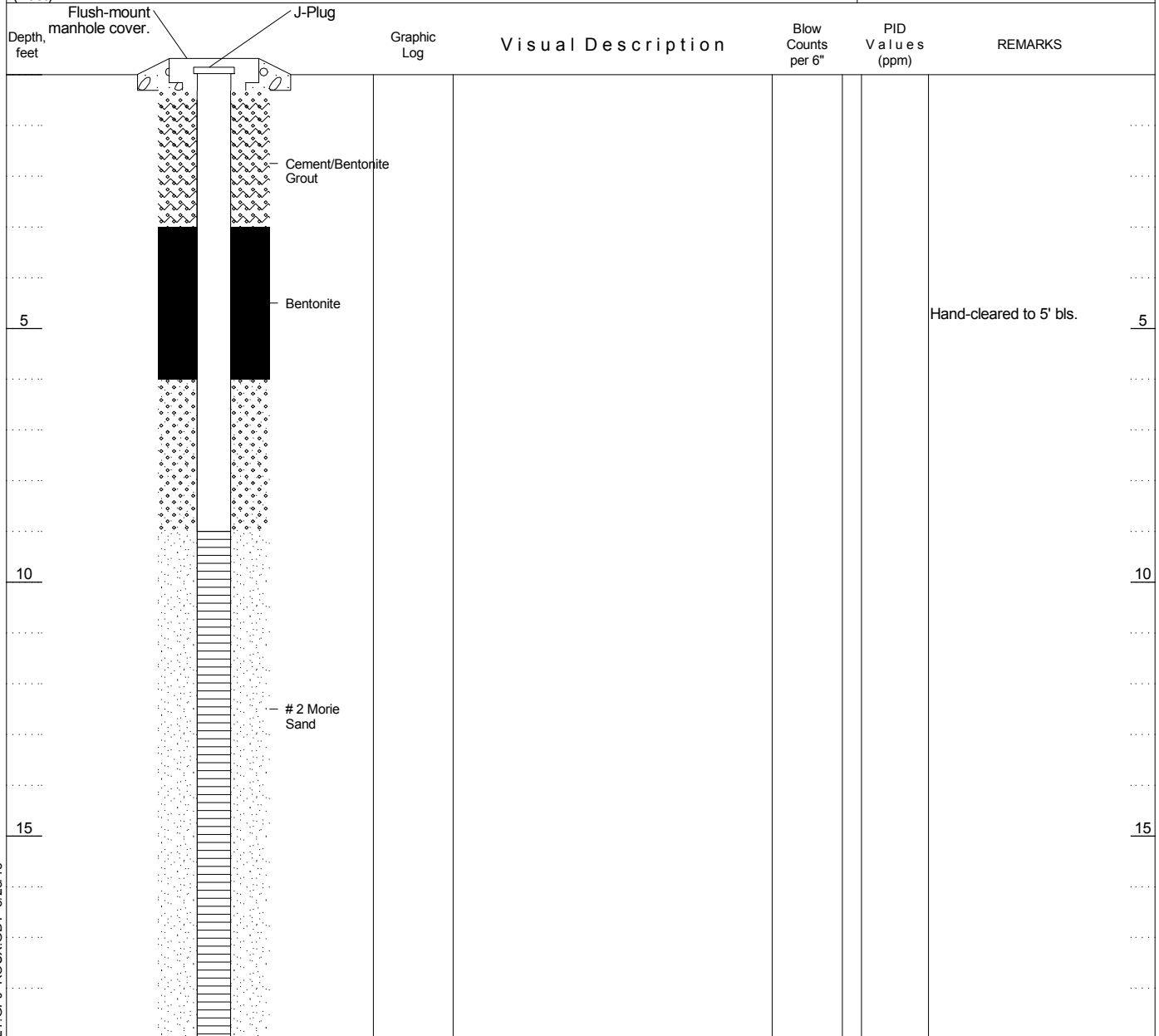
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WELL CONSTRUCTION LOG

WELL NO. MW-10	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall		LOCATION 5200 Kings Highway Brooklyn, NY
APPROVED BY	LOGGED BY Joe Gavin	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.		GEOGRAPHIC AREA North Side of Auto Repair Shop
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler	BOREHOLE DIAMETER 8-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted	SAMPLING METHOD /
ELEVATION OF: (Feet)		START-FINISH DATE 9/18/14-9/18/14
GROUND SURFACE		GRAVEL PACK SIZES #2 Morie
TOP OF WELL CASING		
TOP & BOTTOM SCREEN /		
TOTAL LENGTH 10.0ft		
DIA. 4-inch		
SLOT SIZE 20-Slot		



BORING/FEET 1575.0002Y.GPJ ROUX.GDT 5/28/15



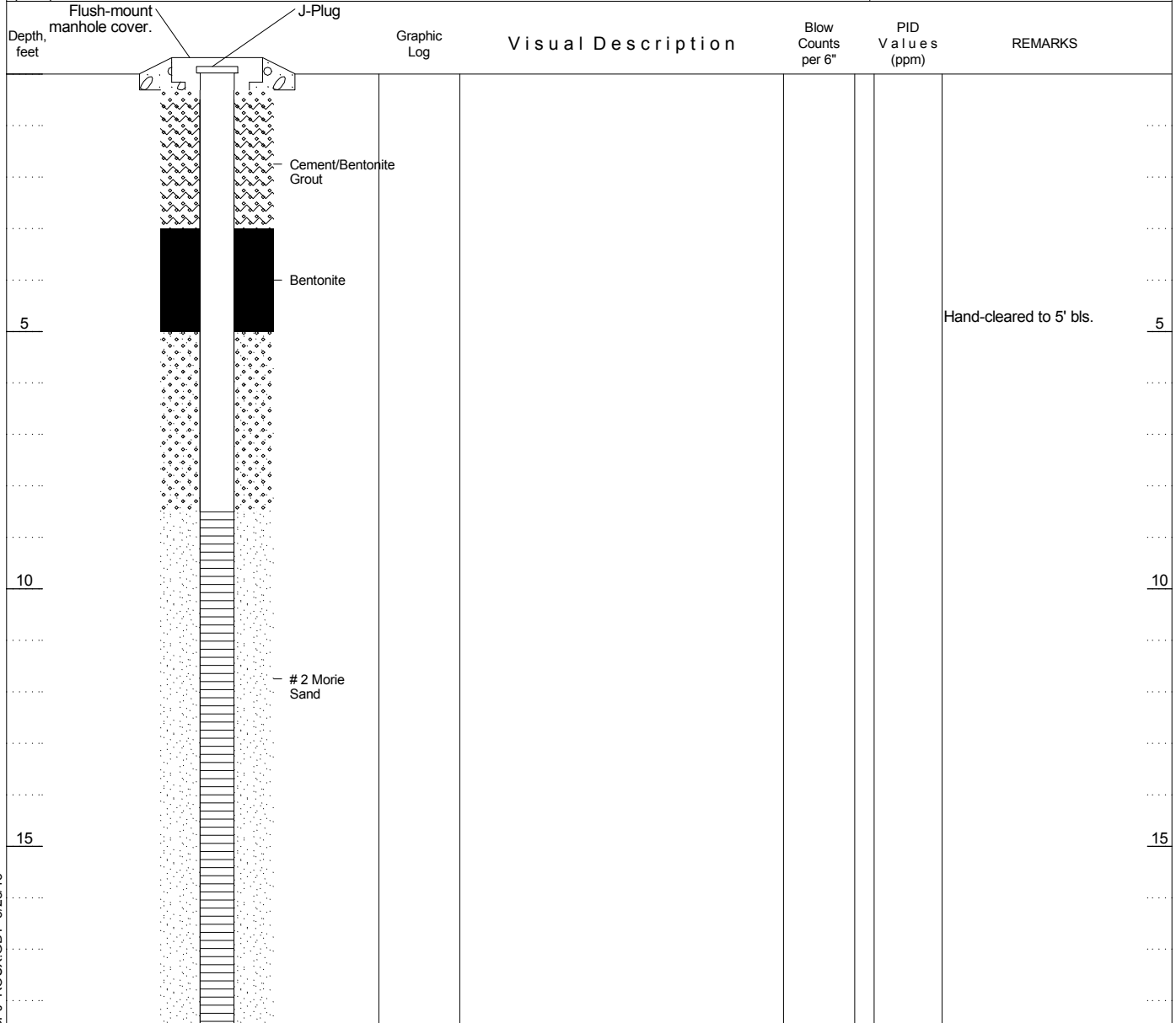
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WELL CONSTRUCTION LOG

WELL NO. MW-11	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall		LOCATION 5200 Kings Highway Brooklyn, NY
APPROVED BY	LOGGED BY Joe Gavin	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.		GEOGRAPHIC AREA North Side of Auto Repair Shop
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler	BOREHOLE DIAMETER 8-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted	MAT. PVC
TOTAL LENGTH 10.0ft		DIA. 4-inch
SLOT SIZE 20-Slot		START-FINISH DATE 9/12/14-9/12/14
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING
		TOP & BOTTOM SCREEN /
GRAVEL PACK SIZES #2 Morie		



BORING/FEET 1575.0002Y.GPJ ROUX.GDT 5/28/15



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WELL CONSTRUCTION LOG

WELL NO. MW-12	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall	LOCATION 5200 Kings Highway Brooklyn, NY	
APPROVED BY	LOGGED BY Joe Gavin	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.	GEOGRAPHIC AREA North Side of Auto Repair Shop	
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler	BOREHOLE DIAMETER 8-inches	DRILLING EQUIPMENT/METHOD / Geoprobe
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted	MAT. PVC
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING
		TOP & BOTTOM SCREEN /
		SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 3/16/15-3/16/15
		GRAVEL PACK SIZES #2 Morie
		SLOT SIZE 20-Slot
		TOTAL LENGTH 10.0ft
		DIA. 4-inch

Depth, feet	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	CONCRETE.			
	Brown, Fine to Coarse SAND, little Gravel, trace silt with brick and glass (fill); dry.		0.0 ppm	
			0.0 ppm	
			0.0 ppm	
5	Brown, Fine to Medium SAND, some Gravel with brick (fill); dry.		0.1 ppm	Hand-cleared to 5' bls. 1' Recovery.
10	Grey Fine to Coarse SAND little GRAVEL; wet at 10'bls.		51.3 ppm	3.5' Recovery.
	Brown Medium to Coarse SAND, some GRAVEL; wet.		27.1 ppm	
15	Brown Medium to Coarse SAND, little GRAVEL; wet.		15.3 ppm	
			0.0 ppm	5' Recovery.
20				

BORING/FEET 1575.0002Y.GPJ ROUX.GDT 5/28/15



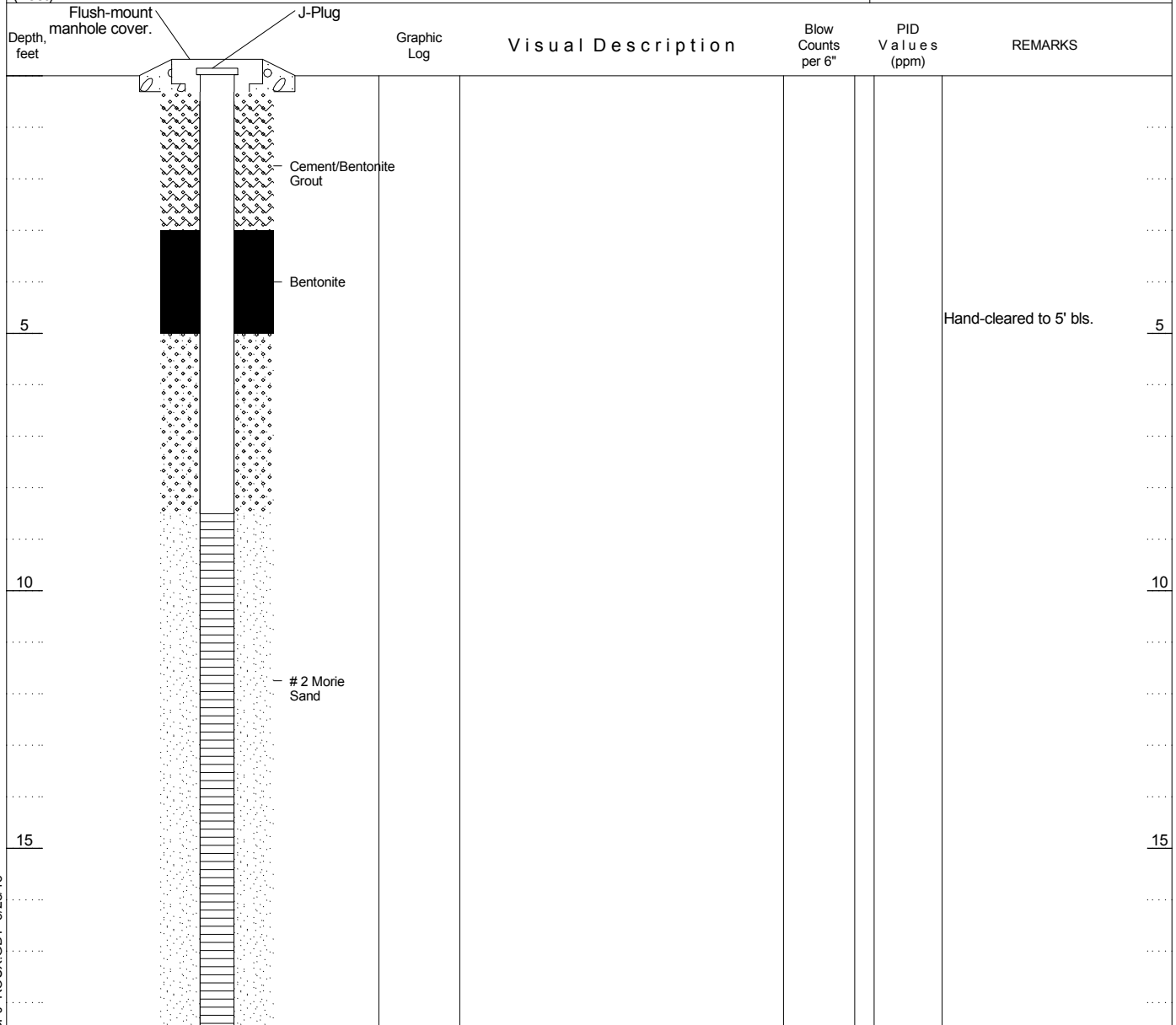
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WELL CONSTRUCTION LOG

WELL NO. MW-13	NORTHING Not Measured	EASTING Not Measured		
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall		LOCATION 5200 Kings Highway Brooklyn, NY		
APPROVED BY	LOGGED BY Joe Gavin			
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.		GEOGRAPHIC AREA Center of Auto Repair Shop		
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler	BOREHOLE DIAMETER 8-inches	DRILLING EQUIPMENT/METHOD / Geoprobe	SAMPLING METHOD	START-FINISH DATE 9/15/14-9/15/14
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted	MAT. PVC	TOTAL LENGTH 10.0ft	DIA. 4-inch SLOT SIZE 20-Slot
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN /	GRAVEL PACK SIZES #2 Morie



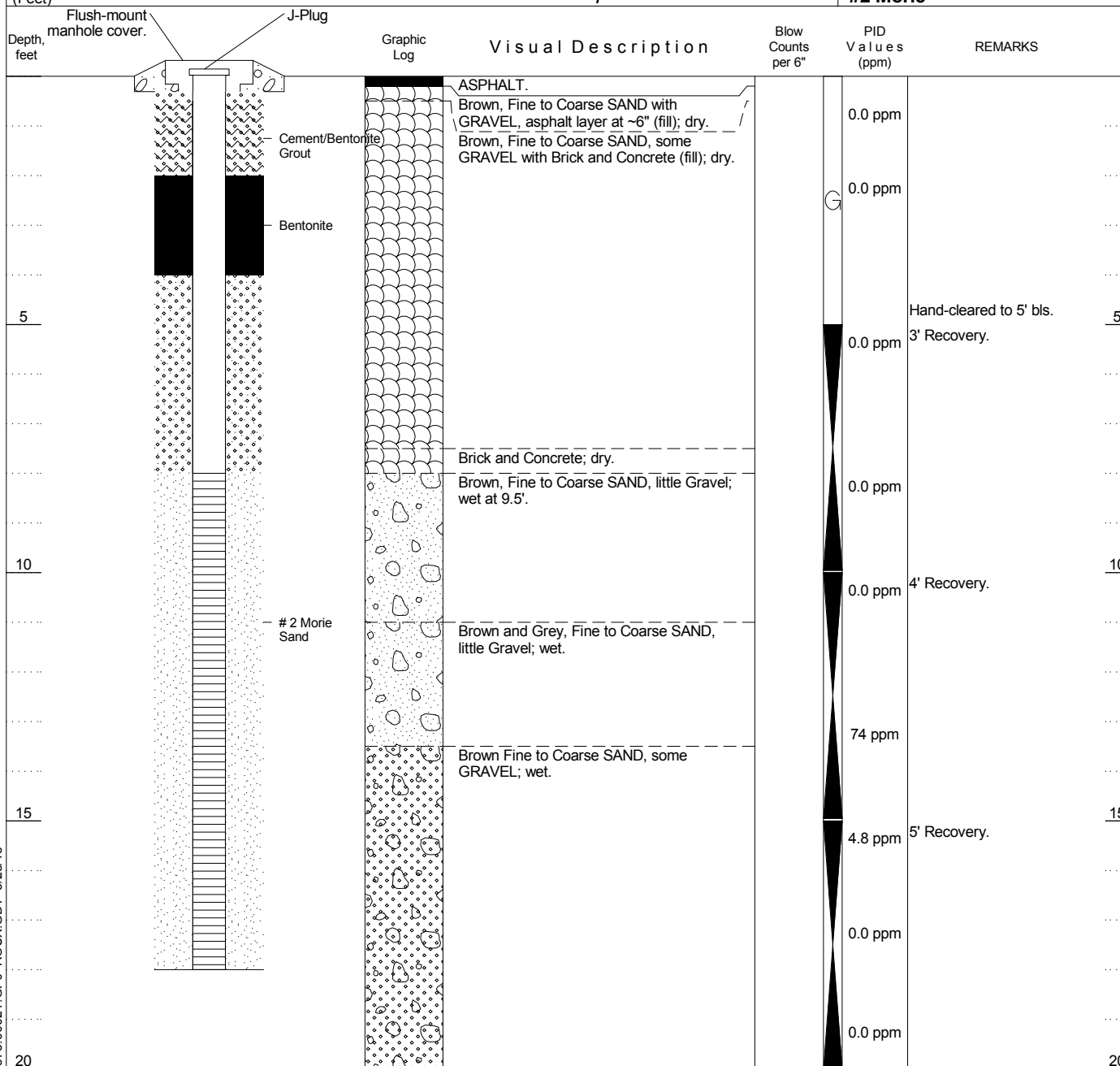
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WELL CONSTRUCTION LOG

WELL NO. MW-18		NORTHING Not Measured		EASTING Not Measured	
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall		LOCATION 5200 Kings Highway			
APPROVED BY		LOGGED BY Joe Gavin		Brooklyn, NY	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.		GEOGRAPHIC AREA North Side of the Eastern Parking Lot			
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler	BOREHOLE DIAMETER 8-inches	DRILLING EQUIPMENT/METHOD / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 3/17/15-3/17/15	
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted	MAT. PVC	TOTAL LENGTH 10.0ft	DIA. 4-inch	SLOT SIZE 20-Slot
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN /	GRAVEL PACK SIZES #2 Morie	



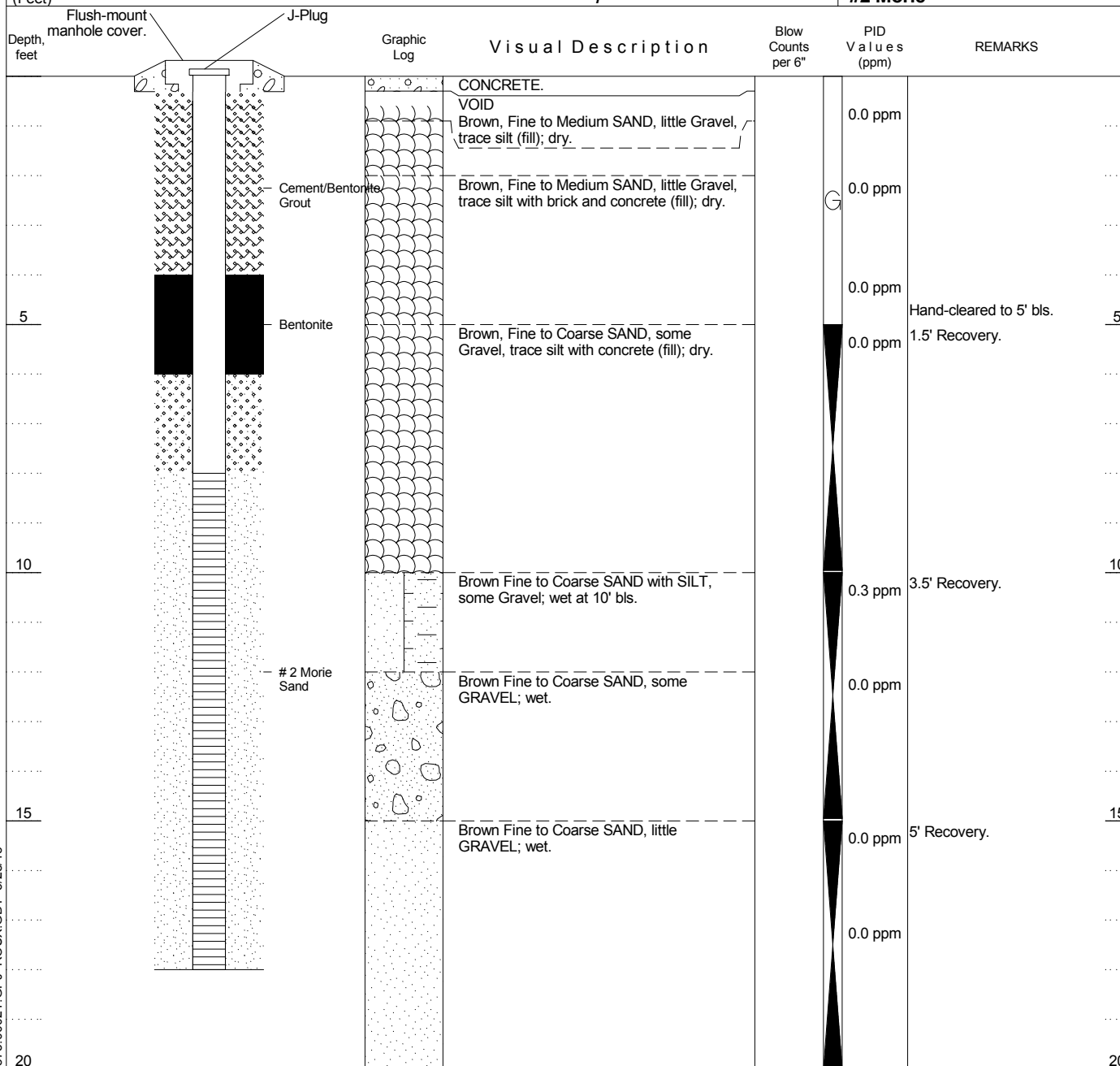
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WELL CONSTRUCTION LOG

WELL NO. MW-19		NORTHING Not Measured		EASTING Not Measured	
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall		LOCATION 5200 Kings Highway			
APPROVED BY		LOGGED BY Joe Gavin		Brooklyn, NY	
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.		GEOGRAPHIC AREA South Side of Auto Repair Shop			
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler	BOREHOLE DIAMETER 8-inches	DRILLING EQUIPMENT/METHOD / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 3/16/15-3/16/15	
CASING MAT./DIA. PVC / 4-inch	SCREEN: TYPE Slotted	MAT. PVC	TOTAL LENGTH 10.0ft	DIA. 4-inch	SLOT SIZE 20-Slot
ELEVATION OF: (Feet)	GROUND SURFACE	TOP OF WELL CASING	TOP & BOTTOM SCREEN /	GRAVEL PACK SIZES #2 Morie	



BORING/FEET 1575.0002Y.GPJ ROUX.GDT 5/28/15



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WELL CONSTRUCTION LOG

WELL NO. MW-20		NORTHING Not Measured		EASTING Not Measured	
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall		LOCATION 5200 Kings Highway Brooklyn, NY			
APPROVED BY		LOGGED BY Joe Gavin			
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.		GEOGRAPHIC AREA North Side of South Parking Lot			
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler		BOREHOLE DIAMETER 8-inches		DRILLING EQUIPMENT/METHOD / Geoprobe	
				SAMPLING METHOD 2" Macro-Core	
				START-FINISH DATE 3/17/15-3/17/15	
CASING MAT./DIA. PVC / 4-inch		SCREEN: TYPE Slotted		MAT. PVC	
ELEVATION OF: (Feet)		GROUND SURFACE		TOTAL LENGTH 10.0ft	
		TOP OF WELL CASING		DIA. 4-inch	
				SLOT SIZE 20-Slot	
		TOP & BOTTOM SCREEN /		GRAVEL PACK SIZES #2 Morie	

Depth, feet	Flush-mount manhole cover.	J-Plug	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
0				ASPHALT.		0.0 ppm	
1				Brown, Fine to Coarse SAND with GRAVEL, COBBLE and Brick and Concrete (fill); dry.		0.0 ppm	
2						0.0 ppm	
3						0.0 ppm	
4						0.0 ppm	
5				Brown, Fine to Coarse SAND, some GRAVEL with Brick and Concrete (fill); dry.		0.0 ppm	Hand-cleared to 5' bls. 3' Recovery.
6						0.0 ppm	
7				Brick and Concrete, little Brown, Fine to Coarse SAND (fill); wet at 11' bls.		0.0 ppm	
8						0.0 ppm	
9						0.0 ppm	
10						0.0 ppm	4' Recovery.
11						0.0 ppm	
12				Grey SILT and CLAY; wet.		0.0 ppm	
13						0.0 ppm	
14				Brown and Grey, Fine to Coarse SAND, some SILT; wet.		0.0 ppm	
15						0.0 ppm	5' Recovery.
16						0.0 ppm	
17						0.0 ppm	
18				Brown Fine to Coarse SAND, some GRAVEL; wet.		0.0 ppm	
19						0.0 ppm	
20						0.0 ppm	

BORING/FEET 1575.0002Y.GPJ ROUX.GDT 5/28/15



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WELL CONSTRUCTION LOG

WELL NO. MW-21		NORTHING Not Measured		EASTING Not Measured	
PROJECT NO./NAME 1575.0002Y000 / Kristal Auto Mall		LOCATION 5200 Kings Highway Brooklyn, NY			
APPROVED BY		LOGGED BY Joe Gavin			
DRILLING CONTRACTOR/DRILLER Trinity / Joe S.		GEOGRAPHIC AREA Center of Auto Repair Shop			
DRILL BIT DIAMETER/TYPE 4.25-in. / Drive Sampler		BOREHOLE DIAMETER 8-inches		DRILLING EQUIPMENT/METHOD / Geoprobe	
				SAMPLING METHOD 2" Macro-Core	
				START-FINISH DATE 3/13/15-3/13/15	
CASING MAT./DIA. PVC / 4-inch		SCREEN: TYPE Slotted		MAT. PVC	
ELEVATION OF:		GROUND SURFACE		TOTAL LENGTH 10.0ft	
(Feet)		TOP OF WELL CASING		DIA. 4-inch	
		TOP & BOTTOM SCREEN /		SLOT SIZE 20-Slot	
				GRAVEL PACK SIZES #2 Morie	

Depth, feet	Flush-mount manhole cover.	J-Plug	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
				CONCRETE.			
				VOID		1.9 ppm	
				Brown, Fine to Coarse SAND, some GRAVEL and COBBLE with Brick and Concrete (fill); dry.		1.8 ppm	
				Brown, Fine to Coarse SAND, some GRAVEL and COBBLE with Brick, Concrete, Glass and Plastic (fill); dry.		1.5 ppm	Hand-cleared to 5' bls.
5				GRAVEL and COBBLE with Brick and Concrete, some Brown, Fine to Coarse SAND (fill); dry.		0.8 ppm	2' Recovery.
				Brown and Grey, Fine to Medium SAND with SILT, trace coarse sand; wet at 11' bls.		0.7 ppm	
10				Brown and Grey, Fine to Coarse SAND, some GRAVEL; wet.		0.7 ppm	3.5' Recovery.
				Brown Fine to Coarse SAND, some GRAVEL; wet.		22 ppm	
						64.3ppm	
						2.3 ppm	
						1.5 ppm	
15						8.0 ppm	5' Recovery.
						3.4 ppm	
						0.8 ppm	
						1.0 ppm	
20							

BORING/FEET 1575.0002Y.GPJ ROUX.GDT 5/28/15

Well Development and
Groundwater Sampling Purge Logs

Well Sampling Data Form

Client:	Irma C. Pollack	Project Number:	1575.0002y
Site Location:	5200 Kings Highway, Brooklyn		
Well No:	MW-1	Weather:	mid 20s to low 30sF, partly cloudy, windy
Date:	2/24/2014	Purge Water Disposal:	Drummed
Sampled By:	JG	Well Diameter / Type:	2 in PVC
Depth of Well (ft):	18.40	Water Column (ft):	8.62
Depth to Water (ft):	9.78	Volume of Water in Well (gal)	1.407
Depth to Product (ft):	N/A	Volume of Water to Remove (gal):	n/a
well diameter:	1 in	2 in	4 in 6 in 8 in
gallons per foot:	0.04	0.16	0.65 1.47 2.61
Start Purging:	1410	Purge Rate:	250 mL/min
End Purging:	1505	Volume of Water Removed (gal):	3 gallon
Method of Purge:	low-flow	Method of Sampling:	low-flow
Physical Appearance/ Comments:	Initial purge cloudy then cleared up. Sample: cloudy, brown in color, no visible suspended solids; no odor or sheen		
Samples Collected: (analyses / no. bottles)	TCL VOCs + TIC (3-40mL vials with HCl); TCL SVOCs + TIC (2-1L ambers); TAL Metals (1-250 mL plastic with HNO3)		
Time:	1505	Laboratory:	York Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
1414	9.98	250	71	0.655	62.6	8.61	9	18.65
1417	9.98	250	105	0.790	52.8	7.46	9.75	2.45
1420	9.98	250	114	0.796	70.2	7.29	10.02	1.21
1425	9.98	250	125	0.795	54.6	7.06	10.60	0.00
1430	9.98	250	115	0.799	56.2	6.81	11.02	0.00
1435	9.98	250	86	0.806	55.6	6.65	11.24	0.00
1440	9.98	250	64	0.806	44.3	6.54	11.44	0.00
1445	9.98	250	55	0.810	43.8	6.49	11.61	0.00
1450	9.98	250	42	0.807	34.8	6.46	11.8	0.00
1455	9.98	250	37	0.808	41.5	6.42	11.99	0.00
1500	9.98	250	34	0.806	36.5	6.4	12.11	0.00

Well Sampling Data Form

Client:	Irma C. Pollack	Project Number:	1575.0002y
Site Location:	5200 Kings Highway, Brooklyn		
Well No:	MW-2	Weather:	mid 20s to low 30sF, partly cloudy, windy
Date:	2/24/2014	Purge Water Disposal:	Drummed
Sampled By:	BK	Well Diameter / Type:	2 in PVC
Depth of Well (ft):	16.38	Water Column (ft):	6.18
Depth to Water(ft):	10.2	Volume of Water in Well (gal)	1.009
Depth to Product (ft):	N/A	Volume of Water to Remove (gal):	n/a
well diameter:	1 in	2 in	4 in 6 in 8 in
gallons per foot:	0.04	0.16	0.65 1.47 2.61
Start Purging:	1340	Purge Rate:	250 mL/min
End Purging:	1440	Volume of Water Removed (gal):	4 gallon
Method of Purge:	low-flow	Method of Sampling:	low-flow
Physical Appearance/ Comments:	Clear, little sediment; no odor or sheen		
Samples Collected: (analyses / no. bottles)	TCL VOCs + TIC (3-40mL vials with HCl); TCL SVOCs + TIC (2-1L ambers); TAL		
	Metals (1-250 mL plastic with HNO3)		
Time:	1440	Laboratory :	York Ananalytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
1345	10.21	250	64	0.000	158.0	3.36	19.14	11.33
1350	10.21	250	74	0.706	52.0	7.26	18.45	2.82
1359	10.21	250	113	0.761	8.2	7.17	14.45	2.05
1404	10.21	250	131	0.760	1.5	7.03	14.33	1.66
1409	10.21	250	141	0.765	0.0	7.04	14.05	1.28
1414	10.21	250	152	0.768	0.1	6.97	13.9	0.92
1419	10.21	250	161	0.770	0.0	6.96	13.69	0.67
1425	10.21	250	169	0.775	0.0	6.96	13.5	0.81
1430	10.21	250	171	0.788	0	6.99	13.38	0.18
1435	10.21	250	172	0.78	0	7	13.31	0.11

Well Sampling Data Form

Client:	<u>Irma C. Pollack</u>	Project Number:	<u>1575.0002y</u>		
Site Location:	<u>5200 Kings Highway, Brooklyn</u>				
Well No:	<u>MW-3</u>	Weather:	<u>mid 20s to low 30sF, partly cloudy, windy</u>		
Date:	<u>2/24/2014</u>	Purge Water Disposal:	<u>Drummed</u>		
Sampled By:	<u>BK</u>	Well Diameter / Type:	<u>2 in PVC</u>		
Depth of Well (ft):	<u>18.87</u>	Water Column (ft):	<u>8.28</u>		
Depth to Water(ft):	<u>10.59</u>	Volume of Water in Well (gal)	<u>1.351</u>		
Depth to Product (ft):	<u>N/A</u>	Volume of Water to Remove (gal):	<u>n/a</u>		
well diameter:	<u>1 in</u>	2 in	<u>4 in</u>	<u>6 in</u>	<u>8 in</u>
gallons per foot:	<u>0.04</u>	0.16	<u>0.65</u>	<u>1.47</u>	<u>2.61</u>
Start Purging:	<u>1550</u>	Purge Rate:	<u>250</u>	<u>mL/min</u>	
End Purging:	<u>1630</u>	Volume of Water Removed (gal):	<u>3 gallon</u>		
Method of Purge:	<u>low-flow</u>	Method of Sampling:	<u>low-flow</u>		
Physical Appearance/ Comments:	<u>Clear, little sediment; no odor or sheen</u>				
Samples Collected: (analyses / no. bottles)	<u>TCL VOCs + TIC (3-40mL vials with HCl); TCL SVOCs + TIC (2-1L ambers); TAL Metals (1-250 mL plastic with HNO3)</u>				
Time:	<u>1640</u>	Laboratory :	<u>York Ananalytical</u>		

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
1555	10.59	250	148	0.648	11.5	6.80	14.94	0.10
1600	10.6	250	142	0.621	12.6	6.79	16.54	0.06
1605	10.6	250	141	0.615	7.7	6.79	17.09	0.04
1610	10.59	250	143	0.611	5.7	6.78	17.22	0.04
1615	10.6	250	146	0.608	2.8	6.78	17.33	0.03
1620	10.6	250	149	0.606	1.3	6.77	17.41	0.03
1625	10.6	250	151	0.606	0.2	6.77	17.52	0.02
1630	10.6	250	154	0.604	0.0	6.76	17.61	0.02

Well Sampling Data Form

Client: Irma C. Pollack **Project Number:** 1575.0002y
Site Location: 5200 Kings Highway, Brooklyn

Well No:	MW-3	Weather:	60s to 70s, clear
Date:	9/26/2014	Purge Water Disposal:	Drummed
Sampled By:	JG	Well Diameter / Type:	2 in PVC

Depth of Well (ft):	<u>18.87</u>	Water Column (ft):	<u>8.07</u>
Depth to Water(ft):	<u>10.8</u>	Volume of Water in Well (gal)	<u>1.3171</u>
Depth to Product (ft):	N/A	Volume of Water to Remove (gal):	n/a

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.04	0.16	0.65	1.47	2.611

Start Purging:	<u>1210</u>	Purge Rate:	<u>200</u>	mL/min
End Purging:	<u>1250</u>	Volume of Water Removed (gal):	<u>3</u>	gallons
Method of Purge:	<u>low-flow</u>	Method of Sampling:	<u>low-flow</u>	

Physical Appearance/ Comments:	Clear, no visible suspended solids; no odor / sheen
Samples Collected: (analyses / no. bottles)	TCL VOCs (3-40mL vials with HCl)

Time: 1250 Laboratory : York Ananalytical

Field Measurements:

[illegible]

Well Sampling Data Form

Client:	Irma C. Pollack	Project Number:	1575.0002y
Site Location:	5200 Kings Highway, Brooklyn		
Well No:	MW-4D	Weather:	mid 20s to low 30sF, partly cloudy, windy
Date:	2/24/2014	Purge Water Disposal:	Drummed
Sampled By:	JG	Well Diameter / Type:	2 in PVC
Depth of Well (ft):	39.85	Water Column (ft):	29.5
Depth to Water(ft):	10.36	Volume of Water in Well (gal)	4.813
Depth to Product (ft):	N/A	Volume of Water to Remove (gal):	n/a
well diameter:	1 in	2 in	4 in 6 in 8 in
gallons per foot:	0.04	0.16	0.65 1.47 2.611
Start Purging:	1050	Purge Rate:	200 mL/min
End Purging:	1120	Volume of Water Removed (gal):	3 gallon
Method of Purge:	low-flow	Method of Sampling:	low-flow
Physical Appearance/ Comments:	Clear, little sediment		
	No visible suspended solids, clear, no odor or sheen		
Samples Collected: (analyses / no. bottles)	TCL VOCs + TIC (3-40mL vials with HCl); TCL SVOCs + TIC (2-1L ambers); TAL		
	Metals (1-250 mL plastic with HNO3)		
Time:	1120	Laboratory :	York Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
1053	10.37	200	50	1.020	22.2	7.56	10.5	17.87
1056	10.37	200	84	0.977	21.4	6.79	12.16	2.44
1059	10.37	200	96	0.900	58.0	6.64	15.49	0.43
1104	10.37	200	103	0.891	51.9	6.60	15.98	0.00
1109	10.37	200	108	0.888	50.7	6.58	16.14	0.00
1114	10.37	200	116	0.891	32.1	6.55	16.32	0.00
1119	10.37	200	118	0.885	31.1	6.54	16.43	0.00

Well Sampling Data Form

Client:	Irma C. Pollack	Project Number:	1575.0002y
Site Location:	5200 Kings Highway, Brooklyn		
Well No:	MW-6	Weather:	mid 20s to low 30sF, partly cloudy, windy
Date:	2/24/2014	Purge Water Disposal:	Drummed
Sampled By:	JG	Well Diameter / Type:	2 in PVC
Depth of Well (ft):	20.00	Water Column (ft):	11.79
Depth to Water (ft):	8.21	Volume of Water in Well (gal)	1.924
Depth to Product (ft):	N/A	Volume of Water to Remove (gal):	n/a
well diameter:	1 in	2 in	4 in 6 in 8 in
gallons per foot:	0.04	0.16	0.65 1.47 2.611
Start Purging:	1217	Purge Rate:	250 mL/min
End Purging:	1305	Volume of Water Removed (gal):	3 gallon
Method of Purge:	low-flow	Method of Sampling:	low-flow
Physical Appearance/ Comments:	Clear, no visible suspended solids; no odor / sheen		
Samples Collected: (analyses / no. bottles)	TCL VOCs + TIC (3-40mL vials with HCl); TCL SVOCs + TIC (2-1L ambers); TAL		
	Metals (1-250 mL plastic with HNO3)		
Time:	1305	Laboratory:	York Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
1221	8.23	250	59	0.538	29.3	9.40	12.63	14.11
1224	8.23	250	38	0.428	24.2	9.81	11.88	10.55
1227	8.23	250	23	0.405	40.5	9.88	11.7	9.28
1232	8.23	250	9	0.401	80.1	9.97	11.63	7.92
1237	8.23	250	-8	0.394	84.2	10.07	11.73	5.83
1242	8.23	250	-10	0.394	81.7	10.07	11.71	5.68
1247	8.23	250	-15	0.390	75.9	10.07	11.68	4.26
1252	8.23	250	-17	0.387	67.1	10.04	11.64	3.99
1257	8.23	250	-18	0.385	60.2	10	11.59	3.74
1302	8.23	250	-19	0.385	50.2	9.97	11.59	3.71

Well Sampling Data Form

Client:	Irma C. Pollack	Project Number:	1575.0002y
Site Location:	5200 Kings Highway, Brooklyn		
Well No:	MW-7	Weather:	mid 20s to low 30sF, partly cloudy, windy
Date:	2/24/2014	Purge Water Disposal:	Drummed
Sampled By:	JG	Well Diameter / Type:	2 in PVC
Depth of Well (ft):	19.84	Water Column (ft):	10.96
Depth to Water (ft):	8.88	Volume of Water in Well (gal)	1.7888
Depth to Product (ft):	N/A	Volume of Water to Remove (gal):	n/a
well diameter:	1 in	2 in	4 in 6 in 8 in
gallons per foot:	0.04	0.16	0.65 1.47 2.611
Start Purging:	1554	Purge Rate:	250 mL/min
End Purging:	1635	Volume of Water Removed (gal):	3 gallon
Method of Purge:	low-flow	Method of Sampling:	low-flow
Physical Appearance/ Comments:	Clear, no visible suspended solids; no odor / sheen		
Samples Collected: (analyses / no. bottles)	TCL VOCs + TIC (3-40mL vials with HCl); TCL SVOCs + TIC (2-1L ambers); TAL		
	Metals (1-250 mL plastic with HNO3)		
	1640-DUP022414 collected, 1645-MS022414 collected, 1650-MSD022414 collected.		
Time:	1635	Laboratory:	York Analytical

Field Measurements:

Time	DTW ft	Flow Rate ml/min	ORP mV (+/- 10 mV)	Conductivity mS/m - S/m (w/in 3%)	Turbidity NTU (w/in %10)	pH SU (+/- 0.1)	Temperature C° - F° (w/in 3%)	Dissolved O ₂ mg/L (w/in 10%)
1557	8.9	250	118	0.597	277.0	6.90	12.39	10.28
1600	8.9	250	118	5.800	27.0	6.77	13.63	3.53
1603	8.9	250	112	0.572	2.6	6.74	14.12	0.95
1608	8.9	250	99	0.563	5.0	6.74	14.59	0.00
1613	8.9	250	88	0.560	0.0	6.73	14.75	0.00
1618	8.9	250	72	0.559	0.0	6.73	14.9	0.00
1623	8.9	250	58	0.559	0.0	6.72	15.04	0.00
1628	8.9	250	49	0.560	0.0	6.71	15.15	0.00
1633	8.9	250	48	0.55	0.0	6.71	15.2	0.00

Well Sampling Data Form

Client: Irma C. Pollack **Project Number:** 1575.0002y
Site Location: 5200 Kings Highway, Brooklyn

Well No:	MW-9	Weather:	60s to 70s, clear
Date:	9/26/2014	Purge Water Disposal:	Drummed
Sampled By:	JG	Well Diameter / Type:	2 in PVC

Depth of Well (ft):	18.91	Water Column (ft):	8.26
Depth to Water(ft):	10.65	Volume of Water in Well (gal)	1.3481
Depth to Product (ft):	N/A	Volume of Water to Remove (gal):	n/a

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.04	0.16	0.65	1.47	2.611

Start Purging:	<u>1047</u>	Purge Rate:	<u>150</u>	mL/min
End Purging:	<u>1125</u>	Volume of Water Removed (gal):	<u>2</u>	gallon
Method of Purge:	<u>low-flow</u>	Method of Sampling:	<u>low-flow</u>	

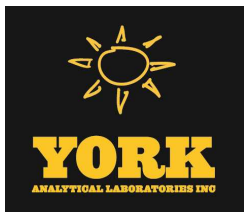
Physical Appearance/ Comments:	Clear, no visible suspended solids; no odor / sheen
Samples Collected: (analyses / no. bottles)	TCL VOCs (3-40mL vials with HCl)

Time: 1125 Laboratory : York Ananalytical

Field Measurements:

[illegible]

Laboratory Analysis of Free-Phase Hydrocarbons
(Provided on CD in Bound Copy)



Technical Report

prepared for:

Roux Associates
209 Shafter St
Islandia NY, 11749
Attention: Wendy Monterosso

Report Date: 02/28/2014
Client Project ID: 1575.00024
York Project (SDG) No.: 14B0560

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 02/28/2014
Client Project ID: 1575.00024
York Project (SDG) No.: 14B0560

Roux Associates
209 Shafter St
Islandia NY, 11749
Attention: Wendy Monterosso

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on February 21, 2014 and listed below. The project was identified as your project: **1575.00024**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
14B0560-01	RSB-10/7.5-9.5	Soil	02/20/2014	02/21/2014
14B0560-02	RSB-10/17.5-19.5	Soil	02/20/2014	02/21/2014
14B0560-03	RSB-11/7.5-9.5	Soil	02/20/2014	02/21/2014
14B0560-04	RSB-11/17.5-19.5	Soil	02/20/2014	02/21/2014
14B0560-05	RSB-1/10-12	Soil	02/20/2014	02/21/2014
14B0560-06	RSB-1/20-22	Soil	02/20/2014	02/21/2014
14B0560-07	DUP022014	Soil	02/20/2014	02/21/2014
14B0560-08	FB022014	Water	02/20/2014	02/21/2014
14B0560-09	RSB-3/8-10	Soil	02/20/2014	02/21/2014
14B0560-10	RSB-3/18-20	Soil	02/20/2014	02/21/2014
14B0560-11	TripBlank	Water	02/20/2014	02/21/2014
14B0560-12	MW-4S	Oil	02/20/2014	02/21/2014
14B0560-13	Lift-1	Oil	02/20/2014	02/21/2014

General Notes for York Project (SDG) No.: 14B0560

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 02/28/2014





Sample Information

Client Sample ID: RSB-10/7.5-9.5

York Sample ID: 14B0560-01

York Project (SDG) No.

14B0560

Client Project ID

1575.00024

Matrix

Soil

Collection Date/Time

February 20, 2014 9:40 am

Date Received

02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	14		ug/kg dry	2.0	8.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
71-43-2	Benzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
75-25-2	Bromoform	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
67-66-3	Chloroform	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	41	82	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS



Sample Information

Client Sample ID: RSB-10/7.5-9.5

York Sample ID: 14B0560-01

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 9:40 am

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
75-09-2	Methylene chloride	3.5	J, B	ug/kg dry	2.0	8.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
100-42-5	Styrene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
108-88-3	Toluene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.0	4.1	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.1	8.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.1	12	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	110 %	72-138								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	72-137								
2037-26-5	Surrogate: Toluene-d8	98.5 %	85-118								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:22	SS



Sample Information

Client Sample ID: RSB-10/7.5-9.5

York Sample ID: 14B0560-01

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 9:40 am

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
98-86-2	Acetophenone	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
120-12-7	Anthracene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
1912-24-9	Atrazine	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	97.0	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
105-60-2	Caprolactam	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
86-74-8	Carbazole	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	97.0	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	97.0	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
218-01-9	Chrysene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	193	385	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	97.0	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR



Sample Information

Client Sample ID: RSB-10/7.5-9.5

York Sample ID: 14B0560-01

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 9:40 am

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-66-2	Diethyl phthalate	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	97.0	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	193	385	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	97.0	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
206-44-0	Fluoranthene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
86-73-7	Fluorene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	97.0	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
78-59-1	Isophorone	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	97.0	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	97.0	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
91-20-3	Naphthalene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	97.0	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	97.0	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	97.0	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	97.0	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
85-01-8	Phenanthrene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR



Sample Information

Client Sample ID: RSB-10/7.5-9.5

York Sample ID: 14B0560-01

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 9:40 am

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-95-2	Phenol	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
129-00-0	Pyrene	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	97.0	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	48.5	193	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	51.6 %		10-109							
4165-62-2	Surrogate: Phenol-d5	54.0 %		10-124							
4165-60-0	Surrogate: Nitrobenzene-d5	54.6 %		10-148							
321-60-8	Surrogate: 2-Fluorobiphenyl	59.6 %		10-111							
5175-83-7	Surrogate: 2,4,6-Tribromophenol	89.2 %		10-142							
1718-51-0	Surrogate: Terphenyl-d14	82.4 %		10-147							

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	Octadecenamide isomer	154	J	ug/kg dry			1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:22	SR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	86.6		%	0.100	0.100	1	SM 2540G	02/25/2014 11:47	02/26/2014 11:07	KK

Sample Information

Client Sample ID: RSB-10/17.5-19.5

York Sample ID: 14B0560-02

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 9:50 am

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	25		ug/kg dry	2.6	10	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
71-43-2	Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS



Sample Information

Client Sample ID: RSB-10/17.5-19.5

York Sample ID: 14B0560-02

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 9:50 am

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	52	100	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS



Sample Information

Client Sample ID: RSB-10/17.5-19.5

York Sample ID: 14B0560-02

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 9:50 am

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
75-09-2	Methylene chloride	3.7	B, J	ug/kg dry	2.6	10	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
100-42-5	Styrene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
108-88-3	Toluene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.2	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.2	10	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.8	16	1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	104 %	72-138								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.1 %	72-137								
2037-26-5	Surrogate: Toluene-d8	96.3 %	85-118								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C	02/24/2014 13:18	02/25/2014 01:56	SS



Sample Information

Client Sample ID: RSB-10/17.5-19.5

York Sample ID: 14B0560-02

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 9:50 am

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
98-86-2	Acetophenone	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
120-12-7	Anthracene	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
1912-24-9	Atrazine	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
56-55-3	Benzo(a)anthracene	88.2	J	ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
50-32-8	Benzo(a)pyrene	114	J	ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
205-99-2	Benzo(b)fluoranthene	71.2	J	ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	99.6	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
207-08-9	Benzo(k)fluoranthene	88.5	J	ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
105-60-2	Caprolactam	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
86-74-8	Carbazole	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	99.6	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	99.6	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
218-01-9	Chrysene	92.1	J	ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	198	395	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	99.6	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR



Sample Information

Client Sample ID: RSB-10/17.5-19.5

York Sample ID: 14B0560-02

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 9:50 am

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	99.6	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	198	395	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	99.6	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
206-44-0	Fluoranthene	183	J	ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
86-73-7	Fluorene	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	99.6	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
193-39-5	Indeno(1,2,3-cd)pyrene	68.8	J	ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
78-59-1	Isophorone	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	99.6	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	99.6	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
91-20-3	Naphthalene	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	99.6	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	99.6	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	99.6	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	99.6	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
85-01-8	Phenanthrene	130	J	ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
108-95-2	Phenol	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
129-00-0	Pyrene	166	J	ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR



Sample Information

Client Sample ID: RSB-10/17.5-19.5

York Sample ID: 14B0560-02

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 9:50 am

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	99.6	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	49.8	198	1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	47.1 %	10-109								
4165-62-2	Surrogate: Phenol-d5	49.2 %	10-124								
4165-60-0	Surrogate: Nitrobenzene-d5	49.8 %	10-148								
321-60-8	Surrogate: 2-Fluorobiphenyl	59.4 %	10-111								
5175-83-7	Surrogate: 2,4,6-Tribromophenol	90.1 %	10-142								
1718-51-0	Surrogate: Terphenyl-d14	78.9 %	10-147								

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	methyl pentanamide isomer	474	J	ug/kg dry			1	EPA 8270D	02/24/2014 17:00	02/25/2014 12:56	SR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	84.3		%	0.100	0.100	1	SM 2540G	02/25/2014 11:47	02/26/2014 11:07	KK

Sample Information

Client Sample ID: RSB-11/7.5-9.5

York Sample ID: 14B0560-03

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 10:40 am

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	40		ug/kg dry	2.3	9.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS



Sample Information

Client Sample ID: RSB-11/7.5-9.5

York Sample ID: 14B0560-03

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 10:40 am

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
78-93-3	2-Butanone	13		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	46	93	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
79-20-9	Methyl acetate	3.2	J	ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
108-87-2	Methylcyclohexane	3.9	J	ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS



Sample Information

Client Sample ID: RSB-11/7.5-9.5

York Sample ID: 14B0560-03

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 10:40 am

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	3.7	B, J	ug/kg dry	2.3	9.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
108-88-3	Toluene	10		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.6	9.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.0	14	1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	111 %	72-138								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	95.2 %	72-137								
2037-26-5	Surrogate: Toluene-d8	101 %	85-118								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C	02/24/2014 13:18	02/25/2014 02:30	SS

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
98-86-2	Acetophenone	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR



Sample Information

Client Sample ID: RSB-11/7.5-9.5

York Sample ID: 14B0560-03

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

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Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
1912-24-9	Atrazine	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	95.7	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
105-60-2	Caprolactam	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
86-74-8	Carbazole	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	95.7	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	95.7	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
218-01-9	Chrysene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	190	380	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	95.7	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	95.7	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR



Sample Information

Client Sample ID: RSB-11/7.5-9.5

York Sample ID: 14B0560-03

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 10:40 am

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	190	380	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	95.7	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
117-81-7	Bis(2-ethylhexyl)phthalate	72.9	J	ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
206-44-0	Fluoranthene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
86-73-7	Fluorene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	95.7	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
78-59-1	Isophorone	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	95.7	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	95.7	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
91-20-3	Naphthalene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.7	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	95.7	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	95.7	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	95.7	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
85-01-8	Phenanthrene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
108-95-2	Phenol	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
129-00-0	Pyrene	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	95.7	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR



Sample Information

Client Sample ID: RSB-11/7.5-9.5

York Sample ID: 14B0560-03

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 10:40 am

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.9	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	58.1 %			10-109						
4165-62-2	Surrogate: Phenol-d5	60.6 %			10-124						
4165-60-0	Surrogate: Nitrobenzene-d5	63.7 %			10-148						
321-60-8	Surrogate: 2-Fluorobiphenyl	70.1 %			10-111						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	102 %			10-142						
1718-51-0	Surrogate: Terphenyl-d14	86.1 %			10-147						

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	Octadecenamide isomer	190	J	ug/kg dry			1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR
NA	nonylphenol isomer	190	J	ug/kg dry			1	EPA 8270D	02/24/2014 17:00	02/25/2014 13:31	SR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	87.7		%	0.100	0.100	1	SM 2540G	02/25/2014 11:47	02/26/2014 11:07	KK

Sample Information

Client Sample ID: RSB-11/17.5-19.5

York Sample ID: 14B0560-04

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 11:00 am

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	94		ug/kg dry	3.5	14	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
71-43-2	Benzene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
75-25-2	Bromoform	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS



Sample Information

Client Sample ID: RSB-11/17.5-19.5

York Sample ID: 14B0560-04

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
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February 20, 2014 11:00 am

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
78-93-3	2-Butanone	15		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
75-00-3	Chloroethane	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
67-66-3	Chloroform	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
74-87-3	Chloromethane	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
110-82-7	Cyclohexane	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	70	140	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
591-78-6	2-Hexanone	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
79-20-9	Methyl acetate	17		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
75-09-2	Methylene chloride	5.0	B, J	ug/kg dry	3.5	14	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS



Sample Information

Client Sample ID: RSB-11/17.5-19.5

York Sample ID: 14B0560-04

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 11:00 am

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
100-42-5	Styrene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
108-88-3	Toluene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
95-47-6	o-Xylene	ND		ug/kg dry	3.5	7.0	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	7.0	14	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	10	21	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	99.7 %	72-138								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	72-137								
2037-26-5	Surrogate: Toluene-d8	95.9 %	85-118								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:04	SS

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
98-86-2	Acetophenone	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
120-12-7	Anthracene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR



Sample Information

Client Sample ID: RSB-11/17.5-19.5

York Sample ID: 14B0560-04

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 11:00 am

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	98.2	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
105-60-2	Caprolactam	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
86-74-8	Carbazole	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	98.2	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	98.2	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
218-01-9	Chrysene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	195	389	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	98.2	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	98.2	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	195	390	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR



Sample Information

Client Sample ID: RSB-11/17.5-19.5

York Sample ID: 14B0560-04

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 11:00 am

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	98.2	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
206-44-0	Fluoranthene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
86-73-7	Fluorene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	98.2	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
78-59-1	Isophorone	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	98.2	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	98.2	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
91-20-3	Naphthalene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	98.2	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	98.2	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	98.2	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	98.2	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
85-01-8	Phenanthrene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
108-95-2	Phenol	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
129-00-0	Pyrene	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	98.2	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	49.1	195	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR



Sample Information

Client Sample ID: RSB-11/17.5-19.5

York Sample ID: 14B0560-04

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 11:00 am

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result			Acceptance Range						
367-12-4	Surrogate: 2-Fluorophenol	48.7 %			10-109						
4165-62-2	Surrogate: Phenol-d5	50.2 %			10-124						
4165-60-0	Surrogate: Nitrobenzene-d5	48.5 %			10-148						
321-60-8	Surrogate: 2-Fluorobiphenyl	54.9 %			10-111						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	86.9 %			10-142						
1718-51-0	Surrogate: Terphenyl-d14	82.2 %			10-147						

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	Octadecenamide isomer	662	J	ug/kg dry			1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:04	SR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	85.5		%	0.100	0.100	1	SM 2540G	02/25/2014 11:47	02/26/2014 11:07	KK

Sample Information

Client Sample ID: RSB-1/10-12

York Sample ID: 14B0560-05

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
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Collection Date/Time
February 20, 2014 1:40 pm

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	10	J	ug/kg dry	2.6	11	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
71-43-2	Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
75-25-2	Bromoform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS



Sample Information

Client Sample ID: RSB-1/10-12

York Sample ID: 14B0560-05

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
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February 20, 2014 1:40 pm

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-15-0	Carbon disulfide	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
67-66-3	Chloroform	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	53	110	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
75-09-2	Methylene chloride	3.6	J, B	ug/kg dry	2.6	11	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS



Sample Information

Client Sample ID: RSB-1/10-12

York Sample ID: 14B0560-05

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

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Collection Date/Time
February 20, 2014 1:40 pm

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-42-5	Styrene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
108-88-3	Toluene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.6	5.3	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	11	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.9	16	1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	105 %	72-138								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.2 %	72-137								
2037-26-5	Surrogate: Toluene-d8	97.4 %	85-118								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C	02/24/2014 13:18	02/25/2014 03:38	SS

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
98-86-2	Acetophenone	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
120-12-7	Anthracene	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
1912-24-9	Atrazine	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR



Sample Information

Client Sample ID: RSB-1/10-12

York Sample ID: 14B0560-05

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

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February 20, 2014 1:40 pm

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-52-7	Benzaldehyde	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
56-55-3	Benzo(a)anthracene	48.4	J	ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
50-32-8	Benzo(a)pyrene	58.6	J	ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	96.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
207-08-9	Benzo(k)fluoranthene	49.9	J	ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
105-60-2	Caprolactam	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
86-74-8	Carbazole	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	96.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	96.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
218-01-9	Chrysene	52.2	J	ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	191	380	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	96.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	96.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	191	381	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	96.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR



Sample Information

Client Sample ID: RSB-1/10-12

York Sample ID: 14B0560-05

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

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Collection Date/Time
February 20, 2014 1:40 pm

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
206-44-0	Fluoranthene	104	J	ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
86-73-7	Fluorene	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	96.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
78-59-1	Isophorone	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	96.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	96.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
91-20-3	Naphthalene	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	96.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	96.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	96.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	96.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
85-01-8	Phenanthrene	59.0	J	ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
108-95-2	Phenol	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
129-00-0	Pyrene	93.3	J	ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	96.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	48.0	190	1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	53.4 %	10-109								
4165-62-2	Surrogate: Phenol-d5	58.6 %	10-124								



Sample Information

Client Sample ID: RSB-1/10-12

York Sample ID: 14B0560-05

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 1:40 pm

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-60-0	Surrogate: Nitrobenzene-d5	60.6 %			10-148						
321-60-8	Surrogate: 2-Fluorobiphenyl	68.9 %			10-111						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	75.7 %			10-142						
1718-51-0	Surrogate: Terphenyl-d14	83.4 %			10-147						

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	methyl Butanamide isomer	381	J	ug/kg dry			1	EPA 8270D	02/24/2014 17:00	02/25/2014 14:39	SR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	87.5		%	0.100	0.100	1	SM 2540G	02/25/2014 11:47	02/26/2014 11:07	KK

Sample Information

Client Sample ID: RSB-1/20-22

York Sample ID: 14B0560-06

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 1:50 pm

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	7.3	J	ug/kg dry	2.8	11	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
71-43-2	Benzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS



Sample Information

Client Sample ID: RSB-1/20-22

York Sample ID: 14B0560-06

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 1:50 pm

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	57	110	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
75-09-2	Methylene chloride	3.1	J, B	ug/kg dry	2.8	11	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
100-42-5	Styrene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS



Sample Information

Client Sample ID: RSB-1/20-22

York Sample ID: 14B0560-06

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 1:50 pm

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
108-88-3	Toluene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.7	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.7	11	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.5	17	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:05	SS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	72-138								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	72-137								
2037-26-5	Surrogate: Toluene-d8	98.2 %	85-118								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C	02/24/2014 08:58	02/24/2014 15:05	SS

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
98-86-2	Acetophenone	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
120-12-7	Anthracene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
1912-24-9	Atrazine	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR



Sample Information

Client Sample ID: RSB-1/20-22

York Sample ID: 14B0560-06

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 1:50 pm

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	99.3	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
105-60-2	Caprolactam	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
86-74-8	Carbazole	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	99.3	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	99.3	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
218-01-9	Chrysene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	197	394	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	99.3	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	99.3	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	197	394	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	99.3	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR



Sample Information

Client Sample ID: RSB-1/20-22

York Sample ID: 14B0560-06

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 1:50 pm

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
206-44-0	Fluoranthene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
86-73-7	Fluorene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	99.3	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
78-59-1	Isophorone	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	99.3	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	99.3	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
91-20-3	Naphthalene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	99.3	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	99.3	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	99.3	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	99.3	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
85-01-8	Phenanthrene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
108-95-2	Phenol	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
129-00-0	Pyrene	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	99.3	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	49.6	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR

Surrogate Recoveries		Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	61.9 %	10-109
4165-62-2	Surrogate: Phenol-d5	63.7 %	10-124
4165-60-0	Surrogate: Nitrobenzene-d5	63.0 %	10-148



Sample Information

Client Sample ID: RSB-1/20-22

York Sample ID: 14B0560-06

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 1:50 pm

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	68.1 %			10-111						
5175-83-7	Surrogate: 2,4,6-Tribromophenol	94.5 %			10-142						
1718-51-0	Surrogate: Terphenyl-d14	81.9 %			10-147						

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	Octadecenamide isomer	749	J	ug/kg dry			1	EPA 8270D	02/24/2014 18:00	02/25/2014 15:13	SR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	84.6		%	0.100	0.100	1	SM 2540G	02/25/2014 11:47	02/26/2014 11:07	KK

Sample Information

Client Sample ID: DUP022014

York Sample ID: 14B0560-07

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 12:00 pm

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	35		ug/kg dry	2.8	11	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
71-43-2	Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
75-25-2	Bromoform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
78-93-3	2-Butanone	9.2		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS



Sample Information

Client Sample ID: DUP022014

York Sample ID: 14B0560-07

York Project (SDG) No.
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02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-00-3	Chloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
67-66-3	Chloroform	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	56	110	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
75-09-2	Methylene chloride	6.5	B, J	ug/kg dry	2.8	11	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
100-42-5	Styrene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS



Sample Information

Client Sample ID: DUP022014

York Sample ID: 14B0560-07

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

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Collection Date/Time
February 20, 2014 12:00 pm

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-88-3	Toluene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.6	11	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.5	17	1	EPA 8260C	02/24/2014 08:23	02/24/2014 15:40	SS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	110 %	72-138								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	94.7 %	72-137								
2037-26-5	Surrogate: Toluene-d8	99.8 %	85-118								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C	02/24/2014 08:58	02/24/2014 15:40	SS

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
98-86-2	Acetophenone	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
120-12-7	Anthracene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
1912-24-9	Atrazine	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR



Sample Information

Client Sample ID: DUP022014

York Sample ID: 14B0560-07

York Project (SDG) No.
14B0560

Client Project ID
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Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	95.0	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
105-60-2	Caprolactam	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
86-74-8	Carbazole	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	95.0	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	95.0	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
218-01-9	Chrysene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	189	377	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	95.0	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	95.0	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	189	377	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	95.0	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
117-81-7	Bis(2-ethylhexyl)phthalate	81.5	J	ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR



Sample Information

Client Sample ID: DUP022014

York Sample ID: 14B0560-07

York Project (SDG) No.
14B0560

Client Project ID
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Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
86-73-7	Fluorene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	95.0	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
78-59-1	Isophorone	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	95.0	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	95.0	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
91-20-3	Naphthalene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.0	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	95.0	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	95.0	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	95.0	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
85-01-8	Phenanthrene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
108-95-2	Phenol	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
129-00-0	Pyrene	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	95.0	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.5	189	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	60.6 %	10-109								
4165-62-2	Surrogate: Phenol-d5	63.9 %	10-124								
4165-60-0	Surrogate: Nitrobenzene-d5	65.5 %	10-148								
321-60-8	Surrogate: 2-Fluorobiphenyl	71.5 %	10-111								
5175-83-7	Surrogate: 2,4,6-Tribromophenol	105 %	10-142								



Sample Information

Client Sample ID: DUP022014

York Sample ID: 14B0560-07

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 12:00 pm

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1718-51-0	Surrogate: Terphenyl-d14	89.0 %			10-147						

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	nonyl phenol isomer	151	J	ug/kg dry			1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR
NA	Octadecenamide isomer	415	J	ug/kg dry			1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:22	SR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	88.4		%	0.100	0.100	1	SM 2540G	02/25/2014 11:47	02/26/2014 11:07	KK

Sample Information

Client Sample ID: FB022014

York Sample ID: 14B0560-08

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Water

Collection Date/Time
February 20, 2014 1:00 pm

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	8.8	J	ug/L	2.5	10	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
75-15-0	Carbon disulfide	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS



Sample Information

Client Sample ID: FB022014

York Sample ID: 14B0560-08

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Water

Collection Date/Time
February 20, 2014 1:00 pm

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
110-82-7	Cyclohexane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
123-91-1	1,4-Dioxane	ND		ug/L	50	100	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
591-78-6	2-Hexanone	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
79-20-9	Methyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
108-87-2	Methylcyclohexane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
75-09-2	Methylene chloride	4.2	CCV-E, J, B	ug/L	2.5	10	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS



Sample Information

Client Sample ID: FB022014

York Sample ID: 14B0560-08

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Water

Collection Date/Time
February 20, 2014 1:00 pm

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C	02/25/2014 11:49	02/25/2014 20:56	SS
Surrogate Recoveries		Result		Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	94.6 %		87-112							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %		78-122							
2037-26-5	Surrogate: Toluene-d8	102 %		91-110							

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C	02/25/2014 11:51	02/25/2014 20:56	SS

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
208-96-8	Acenaphthylene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
98-86-2	Acetophenone	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
120-12-7	Anthracene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
1912-24-9	Atrazine	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
100-52-7	Benzaldehyde	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR



Sample Information

Client Sample ID: FB022014

York Sample ID: 14B0560-08

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Water

Collection Date/Time
February 20, 2014 1:00 pm

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
92-52-4	1,1'-Biphenyl	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
105-60-2	Caprolactam	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
86-74-8	Carbazole	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
106-47-8	4-Chloroaniline	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
95-57-8	2-Chlorophenol	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
218-01-9	Chrysene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
132-64-9	Dibenzofuran	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
84-66-2	Diethyl phthalate	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
131-11-3	Dimethyl phthalate	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
206-44-0	Fluoranthene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR



Sample Information

Client Sample ID: FB022014

York Sample ID: 14B0560-08

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Water

Collection Date/Time
February 20, 2014 1:00 pm

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
118-74-1	Hexachlorobenzene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
67-72-1	Hexachloroethane	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
78-59-1	Isophorone	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
95-48-7	2-Methylphenol	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
91-20-3	Naphthalene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
99-09-2	3-Nitroaniline	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
100-01-6	4-Nitroaniline	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
88-74-4	2-Nitroaniline	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
98-95-3	Nitrobenzene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
100-02-7	4-Nitrophenol	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
88-75-5	2-Nitrophenol	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
87-86-5	Pentachlorophenol	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
85-01-8	Phenanthrene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
108-95-2	Phenol	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
129-00-0	Pyrene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.57	7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR

Surrogate Recoveries		Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	26.0 %	10-52
4165-62-2	Surrogate: Phenol-d5	15.8 %	10-117
4165-60-0	Surrogate: Nitrobenzene-d5	58.7 %	12-112
321-60-8	Surrogate: 2-Fluorobiphenyl	60.8 %	14-101
5175-83-7	Surrogate: 2,4,6-Tribromophenol	87.1 %	17-127
1718-51-0	Surrogate: Terphenyl-d14	84.0 %	10-151



Sample Information

Client Sample ID: FB022014

York Sample ID: 14B0560-08

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Water

Collection Date/Time
February 20, 2014 1:00 pm

Date Received
02/21/2014

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	ND		ug/L		7.14	1	EPA 8270D	02/26/2014 10:00	02/27/2014 15:48	SR

Sample Information

Client Sample ID: RSB-3/8-10

York Sample ID: 14B0560-09

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 3:40 pm

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	42		ug/kg dry	2.7	11	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
71-43-2	Benzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
78-93-3	2-Butanone	7.0		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS



Sample Information

Client Sample ID: RSB-3/8-10

York Sample ID: 14B0560-09

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 3:40 pm

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	53	110	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
75-09-2	Methylene chloride	3.1	B, J	ug/kg dry	2.7	11	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
100-42-5	Styrene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
108-88-3	Toluene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.3	11	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS



Sample Information

Client Sample ID: RSB-3/8-10

York Sample ID: 14B0560-09

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 3:40 pm

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.0	16	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:14	SS
Surrogate Recoveries		Result			Acceptance Range						
460-00-4	Surrogate: p-Bromofluorobenzene	119 %			72-138						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %			72-137						
2037-26-5	Surrogate: Toluene-d8	111 %			85-118						

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C	02/24/2014 08:58	02/24/2014 16:14	SS

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
98-86-2	Acetophenone	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
120-12-7	Anthracene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
1912-24-9	Atrazine	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	99.5	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
105-60-2	Caprolactam	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
86-74-8	Carbazole	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	99.5	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	99.5	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR



Sample Information

Client Sample ID: RSB-3/8-10

York Sample ID: 14B0560-09

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 3:40 pm

Date Received
02/21/2014

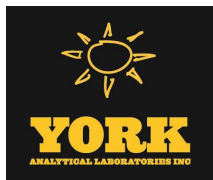
Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
218-01-9	Chrysene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	198	395	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	99.5	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	99.5	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	198	395	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	99.5	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
206-44-0	Fluoranthene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
86-73-7	Fluorene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	99.5	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
78-59-1	Isophorone	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	99.5	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	99.5	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR



Sample Information

Client Sample ID: RSB-3/8-10

York Sample ID: 14B0560-09

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 3:40 pm

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-20-3	Naphthalene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	99.5	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	99.5	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	99.5	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	99.5	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
85-01-8	Phenanthrene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
108-95-2	Phenol	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
129-00-0	Pyrene	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	99.5	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	49.8	197	1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	61.9 %		10-109							
4165-62-2	Surrogate: Phenol-d5	64.0 %		10-124							
4165-60-0	Surrogate: Nitrobenzene-d5	67.2 %		10-148							
321-60-8	Surrogate: 2-Fluorobiphenyl	71.8 %		10-111							
5175-83-7	Surrogate: 2,4,6-Tribromophenol	98.7 %		10-142							
1718-51-0	Surrogate: Terphenyl-d14	87.4 %		10-147							

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	Octadecenamide isomer	908	J	ug/kg dry			1	EPA 8270D	02/24/2014 18:00	02/25/2014 16:57	SR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	84.4		%	0.100	0.100	1	SM 2540G	02/25/2014 11:47	02/26/2014 11:07	KK



Sample Information

Client Sample ID: RSB-3/18-20

York Sample ID: 14B0560-10

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 4:00 pm

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	16		ug/kg dry	2.7	11	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
71-43-2	Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
75-25-2	Bromoform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
67-66-3	Chloroform	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	54	110	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS



Sample Information

Client Sample ID: RSB-3/18-20

York Sample ID: 14B0560-10

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 4:00 pm

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
75-09-2	Methylene chloride	5.0	J, B	ug/kg dry	2.7	11	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
100-42-5	Styrene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
108-88-3	Toluene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
76-13-1	1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.7	5.4	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.4	11	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	8.1	16	1	EPA 8260C	02/24/2014 08:23	02/24/2014 16:49	SS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	72-138								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	72-137								
2037-26-5	Surrogate: Toluene-d8	97.4 %	85-118								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C	02/24/2014 08:58	02/24/2014 16:49	SS



Sample Information

Client Sample ID: RSB-3/18-20

York Sample ID: 14B0560-10

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 4:00 pm

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
98-86-2	Acetophenone	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
120-12-7	Anthracene	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
1912-24-9	Atrazine	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
56-55-3	Benzo(a)anthracene	232	J	ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
50-32-8	Benzo(a)pyrene	270	J	ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
205-99-2	Benzo(b)fluoranthene	233	J	ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	199	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
207-08-9	Benzo(k)fluoranthene	254	J	ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
105-60-2	Caprolactam	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
86-74-8	Carbazole	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	199	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	199	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
218-01-9	Chrysene	247	J	ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	396	789	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	199	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR



Sample Information

Client Sample ID: RSB-3/18-20

York Sample ID: 14B0560-10

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 4:00 pm

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	199	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	396	790	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	199	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
206-44-0	Fluoranthene	500		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
86-73-7	Fluorene	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	199	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
193-39-5	Indeno(1,2,3-cd)pyrene	101	J	ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
78-59-1	Isophorone	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	199	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	199	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
91-20-3	Naphthalene	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	199	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	199	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	199	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	199	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
85-01-8	Phenanthrene	350	J	ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
108-95-2	Phenol	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
129-00-0	Pyrene	422		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR



Sample Information

Client Sample ID: RSB-3/18-20

York Sample ID: 14B0560-10

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
February 20, 2014 4:00 pm

Date Received
02/21/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	199	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	99.6	395	2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	40.0 %		10-109							
4165-62-2	Surrogate: Phenol-d5	51.3 %		10-124							
4165-60-0	Surrogate: Nitrobenzene-d5	51.9 %		10-148							
321-60-8	Surrogate: 2-Fluorobiphenyl	63.7 %		10-111							
5175-83-7	Surrogate: 2,4,6-Tribromophenol	40.4 %		10-142							
1718-51-0	Surrogate: Terphenyl-d14	83.7 %		10-147							

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	Octecenamide isomer	0.00	J	ug/kg dry			2	EPA 8270D	02/24/2014 18:00	02/25/2014 17:31	SR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	% Solids	84.4		%	0.100	0.100	1	SM 2540G	02/25/2014 11:47	02/26/2014 11:07	KK

Sample Information

Client Sample ID: TripBlank

York Sample ID: 14B0560-11

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Water

Collection Date/Time
February 20, 2014 12:00 am

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	4.8	J	ug/L	2.5	10	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
71-43-2	Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
74-97-5	Bromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
75-27-4	Bromodichloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS



Sample Information

Client Sample ID: TripBlank

York Sample ID: 14B0560-11

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Water

Collection Date/Time
February 20, 2014 12:00 am

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
74-83-9	Bromomethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
78-93-3	2-Butanone	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
75-15-0	Carbon disulfide	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
56-23-5	Carbon tetrachloride	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
108-90-7	Chlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
75-00-3	Chloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
67-66-3	Chloroform	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
74-87-3	Chloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
110-82-7	Cyclohexane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
124-48-1	Dibromochloromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
123-91-1	1,4-Dioxane	ND		ug/L	50	100	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
100-41-4	Ethyl Benzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
591-78-6	2-Hexanone	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
98-82-8	Isopropylbenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
79-20-9	Methyl acetate	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS



Sample Information

Client Sample ID: TripBlank

York Sample ID: 14B0560-11

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Water

Collection Date/Time
February 20, 2014 12:00 am

Date Received
02/21/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
75-09-2	Methylene chloride	4.0	CCV-E, J, B	ug/L	2.5	10	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
100-42-5	Styrene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
127-18-4	Tetrachloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
108-88-3	Toluene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
79-01-6	Trichloroethylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
75-01-4	Vinyl Chloride	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
95-47-6	o-Xylene	ND		ug/L	2.5	5.0	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	5.0	10	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
1330-20-7	Xylenes, Total	ND		ug/L	7.5	15	1	EPA 8260C	02/25/2014 11:49	02/25/2014 21:31	SS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	94.6 %	87-112								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %	78-122								
2037-26-5	Surrogate: Toluene-d8	96.4 %	91-110								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C	02/25/2014 11:51	02/25/2014 21:31	SS



Sample Information

Client Sample ID: MW-4S

York Sample ID: 14B0560-12

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Oil

Collection Date/Time
February 20, 2014 3:15 pm

Date Received
02/21/2014

Petroleum Identification

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Petroleum Identification	Pattern is similar to Motor Oil		ID only			1	EPA 8015D	02/26/2014 12:56	02/27/2014 09:52	JW

Sample Information

Client Sample ID: Lift-1

York Sample ID: 14B0560-13

York Project (SDG) No.
14B0560

Client Project ID
1575.00024

Matrix
Oil

Collection Date/Time
February 20, 2014 3:10 pm

Date Received
02/21/2014

Petroleum Identification

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Petroleum Identification	Pattern is similar to Motor Oil		ID only			1	EPA 8015D	02/26/2014 12:56	02/27/2014 09:52	JW



Analytical Batch Summary

Batch ID: BB40873

Preparation Method: EPA 5035A

Prepared By: BGS

YORK Sample ID	Client Sample ID	Preparation Date
14B0560-06	RSB-1/20-22	02/24/14
14B0560-07	DUP022014	02/24/14
14B0560-09	RSB-3/8-10	02/24/14
14B0560-10	RSB-3/18-20	02/24/14
BB40873-BLK1	Blank	02/24/14
BB40873-BS1	LCS	02/24/14
BB40873-BSD1	LCS Dup	02/24/14

Batch ID: BB40881

Preparation Method: EPA 3550C

Prepared By: SA

YORK Sample ID	Client Sample ID	Preparation Date
14B0560-01	RSB-10/7.5-9.5	02/24/14
14B0560-02	RSB-10/17.5-19.5	02/24/14
14B0560-03	RSB-11/7.5-9.5	02/24/14
14B0560-04	RSB-11/17.5-19.5	02/24/14
14B0560-05	RSB-1/10-12	02/24/14
14B0560-06	RSB-1/20-22	02/24/14
14B0560-07	DUP022014	02/24/14
14B0560-09	RSB-3/8-10	02/24/14
14B0560-10	RSB-3/18-20	02/24/14
BB40881-BLK1	Blank	02/24/14
BB40881-BS1	LCS	02/24/14
BB40881-MS1	Matrix Spike	02/24/14
BB40881-MSD1	Matrix Spike Dup	02/24/14

Batch ID: BB40891

Preparation Method: EPA 5035A

Prepared By: BK

YORK Sample ID	Client Sample ID	Preparation Date
14B0560-01	RSB-10/7.5-9.5	02/24/14
14B0560-02	RSB-10/17.5-19.5	02/24/14
14B0560-03	RSB-11/7.5-9.5	02/24/14
14B0560-04	RSB-11/17.5-19.5	02/24/14
14B0560-05	RSB-1/10-12	02/24/14
BB40891-BLK1	Blank	02/24/14
BB40891-BS1	LCS	02/24/14
BB40891-BSD1	LCS Dup	02/24/14
BB40891-MS1	Matrix Spike	02/24/14
BB40891-MSD1	Matrix Spike Dup	02/24/14

Batch ID: BB40892

Preparation Method: EPA 5035A

Prepared By: BK

YORK Sample ID	Client Sample ID	Preparation Date
14B0560-01	RSB-10/7.5-9.5	02/24/14
14B0560-02	RSB-10/17.5-19.5	02/24/14



14B0560-03	RSB-11/7.5-9.5	02/24/14
14B0560-04	RSB-11/17.5-19.5	02/24/14
14B0560-05	RSB-1/10-12	02/24/14

Batch ID: BB40912 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14B0560-06	RSB-1/20-22	02/24/14
14B0560-07	DUP022014	02/24/14
14B0560-09	RSB-3/8-10	02/24/14
14B0560-10	RSB-3/18-20	02/24/14

Batch ID: BB40928 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date
14B0560-01	RSB-10/7.5-9.5	02/25/14
14B0560-02	RSB-10/17.5-19.5	02/25/14
14B0560-03	RSB-11/7.5-9.5	02/25/14
14B0560-04	RSB-11/17.5-19.5	02/25/14
14B0560-05	RSB-1/10-12	02/25/14
14B0560-06	RSB-1/20-22	02/25/14
14B0560-07	DUP022014	02/25/14
14B0560-09	RSB-3/8-10	02/25/14
14B0560-10	RSB-3/18-20	02/25/14

Batch ID: BB40946 **Preparation Method:** EPA 5030B **Prepared By:** BGS

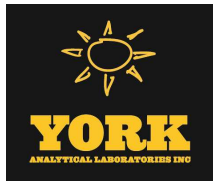
YORK Sample ID	Client Sample ID	Preparation Date
14B0560-08	FB022014	02/25/14
14B0560-11	TripBlank	02/25/14
BB40946-BLK1	Blank	02/25/14
BB40946-BS1	LCS	02/25/14
BB40946-BSD1	LCS Dup	02/25/14
BB40946-DUP1	Duplicate	02/25/14
BB40946-MS1	Matrix Spike	02/25/14

Batch ID: BB40947 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14B0560-08	FB022014	02/25/14
14B0560-11	TripBlank	02/25/14

Batch ID: BB40969 **Preparation Method:** EPA 3510C **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
14B0560-08	FB022014	02/26/14
BB40969-BLK1	Blank	02/26/14
BB40969-BLK2	Blank	02/26/14



BB40969-BS1 LCS 02/26/14

Batch ID: BB40998 **Preparation Method:** Oil Preparation for GC **Prepared By:** JW

YORK Sample ID	Client Sample ID	Preparation Date
14B0560-12	MW-4S	02/26/14
14B0560-13	Lift-1	02/26/14



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB40873 - EPA 5035A											
Blank (BB40873-BLK1)										Prepared & Analyzed: 02/24/2014	
Acetone	ND	10	ug/kg wet								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
2-Butanone	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
Cyclohexane	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
Ethyl Benzene	ND	5.0	"								
2-Hexanone	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	2.9	10	"								
4-Methyl-2-pentanone	ND	5.0	"								
Styrene	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
o-Xylene	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40873 - EPA 5035A

Blank (BB40873-BLK1)

Prepared & Analyzed: 02/24/2014

p- & m- Xylenes	ND	10	ug/kg wet								
Xylenes, Total	ND	15	"								
Surrogate: p-Bromofluorobenzene	53.6		ug/L	50.0		107	72-138				
Surrogate: 1,2-Dichloroethane-d4	51.1		"	50.0		102	72-137				
Surrogate: Toluene-d8	49.1		"	50.0		98.2	85-118				

LCS (BB40873-BS1)

Prepared & Analyzed: 02/24/2014

Acetone	55		ug/L	50.0		111	26-119				
Benzene	49		"	50.0		98.3	81-117				
Bromochloromethane	49		"	50.0		97.5	79-118				
Bromodichloromethane	52		"	50.0		104	88-123				
Bromoform	56		"	50.0		112	85-122				
Bromomethane	46		"	50.0		92.0	43-137				
2-Butanone	50		"	50.0		99.3	60-129				
Carbon disulfide	48		"	100		48.1	18-145				
Carbon tetrachloride	50		"	50.0		100	79-135				
Chlorobenzene	48		"	50.0		96.9	87-112				
Chloroethane	49		"	50.0		98.3	60-132				
Chloroform	49		"	50.0		97.5	80-126				
Chloromethane	48		"	50.0		96.5	36-133				
Cyclohexane	54		"	50.0		108	70-130				
1,2-Dibromo-3-chloropropane	56		"	50.0		112	72-131				
Dibromochloromethane	43		"	50.0		85.7	86-128	Low Bias			
1,2-Dibromoethane	51		"	50.0		101	86-114				
1,2-Dichlorobenzene	49		"	50.0		97.9	85-114				
1,3-Dichlorobenzene	51		"	50.0		102	84-114				
1,4-Dichlorobenzene	51		"	50.0		101	82-116				
Dichlorodifluoromethane	48		"	50.0		95.8	10-156				
1,1-Dichloroethane	50		"	50.0		99.3	80-119				
1,2-Dichloroethane	49		"	50.0		97.5	72-136				
1,1-Dichloroethylene	48		"	50.0		95.8	58-139				
trans-1,2-Dichloroethylene	49		"	50.0		98.7	68-131				
cis-1,2-Dichloroethylene	49		"	50.0		98.9	80-119				
1,2-Dichloropropane	51		"	50.0		101	79-119				
trans-1,3-Dichloropropylene	53		"	50.0		107	81-127				
cis-1,3-Dichloropropylene	52		"	50.0		104	87-125				
1,4-Dioxane	530		"	1000		53.0	10-208				
Ethyl Benzene	51		"	50.0		102	88-117				
2-Hexanone	54		"	50.0		108	58-129				
Isopropylbenzene	51		"	50.0		102	84-116				
Methyl acetate	45		"	50.0		90.4	75-184				
Methyl tert-butyl ether (MTBE)	49		"	50.0		98.1	58-137				
Methylcyclohexane	52		"	50.0		104	70-130				
Methylene chloride	45		"	50.0		90.4	47-140				
4-Methyl-2-pentanone	38		"	50.0		76.6	46-121				
Styrene	50		"	50.0		99.4	85-119				
1,1,2,2-Tetrachloroethane	54		"	50.0		107	82-119				
Tetrachloroethylene	47		"	50.0		94.9	74-127				
Toluene	50		"	50.0		101	83-114				
1,2,4-Trichlorobenzene	54		"	50.0		107	69-135				
1,2,3-Trichlorobenzene	53		"	50.0		107	72-133				
1,1,1-Trichloroethane	50		"	50.0		99.6	76-135				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40873 - EPA 5035A

LCS (BB40873-BS1)

Prepared & Analyzed: 02/24/2014

1,1,2-Trichloroethane	51		ug/L	50.0		103	82-114				
Trichloroethylene	50		"	50.0		99.1	84-118				
Trichlorofluoromethane	48		"	50.0		96.2	59-148				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50		"	50.0		101	68-144				
Vinyl Chloride	50		"	50.0		100	46-133				
o-Xylene	50		"	50.0		100	88-111				
p- & m- Xylenes	100		"	100		103	86-117				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>52.0</i>		<i>"</i>	<i>50.0</i>		<i>104</i>	<i>72-138</i>				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>50.4</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>72-137</i>				
<i>Surrogate: Toluene-d8</i>	<i>49.8</i>		<i>"</i>	<i>50.0</i>		<i>99.7</i>	<i>85-118</i>				

LCS Dup (BB40873-BSD1)

Prepared & Analyzed: 02/24/2014

Acetone	42		ug/L	50.0		83.4	26-119		28.1	30	
Benzene	50		"	50.0		100	81-117		2.09	30	
Bromochloromethane	49		"	50.0		97.0	79-118		0.494	30	
Bromodichloromethane	52		"	50.0		103	88-123		0.503	30	
Bromoform	54		"	50.0		108	85-122		4.14	30	
Bromomethane	47		"	50.0		93.2	43-137		1.30	30	
2-Butanone	45		"	50.0		89.5	60-129		10.3	30	
Carbon disulfide	48		"	100		48.4	18-145		0.601	30	
Carbon tetrachloride	51		"	50.0		102	79-135		1.87	30	
Chlorobenzene	51		"	50.0		101	87-112		4.48	30	
Chloroethane	50		"	50.0		100	60-132		1.72	30	
Chloroform	49		"	50.0		97.1	80-126		0.391	30	
Chloromethane	49		"	50.0		98.6	36-133		2.19	30	
Cyclohexane	54		"	50.0		108	70-130		0.648	30	
1,2-Dibromo-3-chloropropane	52		"	50.0		105	72-131		6.57	30	
Dibromochloromethane	22		"	50.0		43.5	86-128	Low Bias	65.4	30	Non-dir.
1,2-Dibromoethane	50		"	50.0		101	86-114		0.575	30	
1,2-Dichlorobenzene	52		"	50.0		103	85-114		5.21	30	
1,3-Dichlorobenzene	50		"	50.0		101	84-114		1.52	30	
1,4-Dichlorobenzene	53		"	50.0		105	82-116		3.74	30	
Dichlorodifluoromethane	47		"	50.0		94.8	10-156		1.11	30	
1,1-Dichloroethane	49		"	50.0		98.7	80-119		0.626	30	
1,2-Dichloroethane	51		"	50.0		101	72-136		3.70	30	
1,1-Dichloroethylene	48		"	50.0		95.4	58-139		0.439	30	
trans-1,2-Dichloroethylene	49		"	50.0		98.4	68-131		0.223	30	
cis-1,2-Dichloroethylene	50		"	50.0		99.0	80-119		0.0808	30	
1,2-Dichloropropane	49		"	50.0		97.7	79-119		3.32	30	
trans-1,3-Dichloropropylene	53		"	50.0		107	81-127		0.0937	30	
cis-1,3-Dichloropropylene	51		"	50.0		103	87-125		1.57	30	
1,4-Dioxane	500		"	1000		50.2	10-208		5.53	30	
Ethyl Benzene	50		"	50.0		99.7	88-117		1.95	30	
2-Hexanone	51		"	50.0		103	58-129		4.45	30	
Isopropylbenzene	52		"	50.0		104	84-116		2.08	30	
Methyl acetate	47		"	50.0		94.7	75-184		4.69	30	
Methyl tert-butyl ether (MTBE)	49		"	50.0		97.2	58-137		0.860	30	
Methylcyclohexane	52		"	50.0		104	70-130		0.865	30	
Methylene chloride	47		"	50.0		94.0	47-140		3.88	30	
4-Methyl-2-pentanone	37		"	50.0		73.4	46-121		4.21	30	
Styrene	50		"	50.0		100	85-119		1.10	30	
1,1,1,2-Tetrachloroethane	52		"	50.0		104	82-119		3.35	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40873 - EPA 5035A

LCS Dup (BB40873-BSD1)

Prepared & Analyzed: 02/24/2014

Tetrachloroethylene	46		ug/L	50.0		92.5	74-127		2.52	30
Toluene	51		"	50.0		101	83-114		0.396	30
1,2,4-Trichlorobenzene	54		"	50.0		108	69-135		0.964	30
1,2,3-Trichlorobenzene	57		"	50.0		113	72-133		5.73	30
1,1,1-Trichloroethane	50		"	50.0		101	76-135		0.919	30
1,1,2-Trichloroethane	50		"	50.0		100	82-114		2.47	30
Trichloroethylene	49		"	50.0		97.5	84-118		1.63	30
Trichlorofluoromethane	50		"	50.0		99.6	59-148		3.45	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51		"	50.0		103	68-144		1.73	30
Vinyl Chloride	49		"	50.0		98.4	46-133		1.75	30
o-Xylene	50		"	50.0		100	88-111		0.00	30
p- & m- Xylenes	100		"	100		102	86-117		1.58	30
Surrogate: p-Bromofluorobenzene	51.7		"	50.0		103	72-138			
Surrogate: 1,2-Dichloroethane-d4	51.0		"	50.0		102	72-137			
Surrogate: Toluene-d8	49.8		"	50.0		99.5	85-118			

Batch BB40891 - EPA 5035A

Blank (BB40891-BLK1)

Prepared: 02/24/2014 Analyzed: 02/25/2014

Acetone	ND	10	ug/kg wet
Benzene	ND	5.0	"
Bromochloromethane	ND	5.0	"
Bromodichloromethane	ND	5.0	"
Bromoform	ND	5.0	"
Bromomethane	ND	5.0	"
2-Butanone	ND	5.0	"
Carbon disulfide	ND	5.0	"
Carbon tetrachloride	ND	5.0	"
Chlorobenzene	ND	5.0	"
Chloroethane	ND	5.0	"
Chloroform	ND	5.0	"
Chloromethane	ND	5.0	"
Cyclohexane	ND	5.0	"
1,2-Dibromo-3-chloropropane	ND	5.0	"
Dibromochloromethane	ND	5.0	"
1,2-Dibromoethane	ND	5.0	"
1,2-Dichlorobenzene	ND	5.0	"
1,3-Dichlorobenzene	ND	5.0	"
1,4-Dichlorobenzene	ND	5.0	"
Dichlorodifluoromethane	ND	5.0	"
1,1-Dichloroethane	ND	5.0	"
1,2-Dichloroethane	ND	5.0	"
1,1-Dichloroethylene	ND	5.0	"
trans-1,2-Dichloroethylene	ND	5.0	"
cis-1,2-Dichloroethylene	ND	5.0	"
1,2-Dichloropropane	ND	5.0	"
trans-1,3-Dichloropropylene	ND	5.0	"
cis-1,3-Dichloropropylene	ND	5.0	"
1,4-Dioxane	ND	100	"
Ethyl Benzene	ND	5.0	"
2-Hexanone	ND	5.0	"
Isopropylbenzene	ND	5.0	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40891 - EPA 5035A

Blank (BB40891-BLK1)

Prepared: 02/24/2014 Analyzed: 02/25/2014

Methyl acetate	ND	5.0	ug/kg wet								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	2.7	10	"								
4-Methyl-2-pentanone	ND	5.0	"								
Styrene	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
Xylenes, Total	ND	15	"								
Surrogate: p-Bromofluorobenzene	49.9		ug/L	50.0		99.9	72-138				
Surrogate: 1,2-Dichloroethane-d4	52.4		"	50.0		105	72-137				
Surrogate: Toluene-d8	50.5		"	50.0		101	85-118				

LCS (BB40891-BS1)

Prepared & Analyzed: 02/24/2014

Acetone	48		ug/L	50.0		96.4	26-119				
Benzene	53		"	50.0		107	81-117				
Bromochloromethane	54		"	50.0		108	79-118				
Bromodichloromethane	53		"	50.0		106	88-123				
Bromoform	54		"	50.0		107	85-122				
Bromomethane	48		"	50.0		95.6	43-137				
2-Butanone	50		"	50.0		101	60-129				
Carbon disulfide	51		"	100		50.7	18-145				
Carbon tetrachloride	53		"	50.0		106	79-135				
Chlorobenzene	52		"	50.0		103	87-112				
Chloroethane	50		"	50.0		100	60-132				
Chloroform	51		"	50.0		103	80-126				
Chloromethane	48		"	50.0		96.8	36-133				
Cyclohexane	55		"	50.0		109	70-130				
1,2-Dibromo-3-chloropropane	57		"	50.0		114	72-131				
Dibromochloromethane	37		"	50.0		73.5	86-128	Low Bias			
1,2-Dibromoethane	53		"	50.0		106	86-114				
1,2-Dichlorobenzene	51		"	50.0		102	85-114				
1,3-Dichlorobenzene	51		"	50.0		103	84-114				
1,4-Dichlorobenzene	53		"	50.0		105	82-116				
Dichlorodifluoromethane	45		"	50.0		89.3	10-156				
1,1-Dichloroethane	52		"	50.0		104	80-119				
1,2-Dichloroethane	53		"	50.0		105	72-136				
1,1-Dichloroethylene	50		"	50.0		101	58-139				
trans-1,2-Dichloroethylene	52		"	50.0		104	68-131				
cis-1,2-Dichloroethylene	52		"	50.0		103	80-119				
1,2-Dichloropropane	52		"	50.0		104	79-119				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40891 - EPA 5035A

LCS (BB40891-BS1)

Prepared & Analyzed: 02/24/2014

trans-1,3-Dichloropropylene	52		ug/L	50.0		105	81-127				
cis-1,3-Dichloropropylene	52		"	50.0		104	87-125				
1,4-Dioxane	660		"	1000		66.5	10-208				
Ethyl Benzene	52		"	50.0		105	88-117				
2-Hexanone	55		"	50.0		110	58-129				
Isopropylbenzene	51		"	50.0		103	84-116				
Methyl acetate	52		"	50.0		104	75-184				
Methyl tert-butyl ether (MTBE)	54		"	50.0		107	58-137				
Methylcyclohexane	53		"	50.0		107	70-130				
Methylene chloride	49		"	50.0		98.9	47-140				
4-Methyl-2-pentanone	53		"	50.0		106	46-121				
Styrene	51		"	50.0		103	85-119				
1,1,2,2-Tetrachloroethane	53		"	50.0		106	82-119				
Tetrachloroethylene	50		"	50.0		100	74-127				
Toluene	52		"	50.0		103	83-114				
1,2,4-Trichlorobenzene	55		"	50.0		111	69-135				
1,2,3-Trichlorobenzene	56		"	50.0		113	72-133				
1,1,1-Trichloroethane	54		"	50.0		108	76-135				
1,1,2-Trichloroethane	52		"	50.0		104	82-114				
Trichloroethylene	51		"	50.0		101	84-118				
Trichlorofluoromethane	52		"	50.0		104	59-148				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	53		"	50.0		106	68-144				
Vinyl Chloride	51		"	50.0		101	46-133				
o-Xylene	51		"	50.0		103	88-111				
p- & m- Xylenes	110		"	100		106	86-117				
Surrogate: p-Bromofluorobenzene	51.0		"	50.0		102	72-138				
Surrogate: 1,2-Dichloroethane-d4	49.7		"	50.0		99.4	72-137				
Surrogate: Toluene-d8	49.4		"	50.0		98.9	85-118				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB40891 - EPA 5035A											
LCS Dup (BB40891-BSD1)						Prepared & Analyzed: 02/24/2014					
Acetone	45		ug/L	50.0		90.1	26-119		6.80	30	
Benzene	53		"	50.0		106	81-117		0.319	30	
Bromochloromethane	53		"	50.0		106	79-118		2.51	30	
Bromodichloromethane	53		"	50.0		107	88-123		1.17	30	
Bromoform	57		"	50.0		114	85-122		6.05	30	
Bromomethane	47		"	50.0		93.9	43-137		1.86	30	
2-Butanone	49		"	50.0		97.0	60-129		3.80	30	
Carbon disulfide	51		"	100		51.1	18-145		0.767	30	
Carbon tetrachloride	54		"	50.0		107	79-135		1.67	30	
Chlorobenzene	52		"	50.0		104	87-112		0.212	30	
Chloroethane	52		"	50.0		103	60-132		3.13	30	
Chloroform	52		"	50.0		104	80-126		1.31	30	
Chloromethane	48		"	50.0		95.6	36-133		1.25	30	
Cyclohexane	55		"	50.0		109	70-130		0.201	30	
1,2-Dibromo-3-chloropropane	62		"	50.0		123	72-131		7.61	30	
Dibromochloromethane	64		"	50.0		129	86-128	High Bias	54.8	30	Non-dir.
1,2-Dibromoethane	52		"	50.0		104	86-114		1.66	30	
1,2-Dichlorobenzene	53		"	50.0		105	85-114		3.05	30	
1,3-Dichlorobenzene	53		"	50.0		107	84-114		4.09	30	
1,4-Dichlorobenzene	55		"	50.0		109	82-116		3.84	30	
Dichlorodifluoromethane	44		"	50.0		88.6	10-156		0.765	30	
1,1-Dichloroethane	53		"	50.0		105	80-119		1.26	30	
1,2-Dichloroethane	53		"	50.0		106	72-136		0.928	30	
1,1-Dichloroethylene	52		"	50.0		104	58-139		3.36	30	
trans-1,2-Dichloroethylene	53		"	50.0		106	68-131		1.12	30	
cis-1,2-Dichloroethylene	53		"	50.0		106	80-119		2.01	30	
1,2-Dichloropropane	52		"	50.0		103	79-119		0.386	30	
trans-1,3-Dichloropropylene	52		"	50.0		105	81-127		0.0381	30	
cis-1,3-Dichloropropylene	52		"	50.0		105	87-125		0.479	30	
1,4-Dioxane	610		"	1000		61.1	10-208		8.47	30	
Ethyl Benzene	52		"	50.0		104	88-117		0.903	30	
2-Hexanone	53		"	50.0		107	58-129		2.86	30	
Isopropylbenzene	53		"	50.0		106	84-116		3.37	30	
Methyl acetate	52		"	50.0		105	75-184		0.287	30	
Methyl tert-butyl ether (MTBE)	52		"	50.0		105	58-137		2.59	30	
Methylcyclohexane	55		"	50.0		110	70-130		2.80	30	
Methylene chloride	49		"	50.0		97.4	47-140		1.47	30	
4-Methyl-2-pentanone	54		"	50.0		108	46-121		1.71	30	
Styrene	52		"	50.0		104	85-119		0.910	30	
1,1,2,2-Tetrachloroethane	52		"	50.0		105	82-119		1.00	30	
Tetrachloroethylene	52		"	50.0		104	74-127		3.14	30	
Toluene	52		"	50.0		105	83-114		1.42	30	
1,2,4-Trichlorobenzene	56		"	50.0		111	69-135		0.288	30	
1,2,3-Trichlorobenzene	59		"	50.0		118	72-133		4.22	30	
1,1,1-Trichloroethane	54		"	50.0		107	76-135		0.650	30	
1,1,2-Trichloroethane	52		"	50.0		105	82-114		0.845	30	
Trichloroethylene	52		"	50.0		103	84-118		1.70	30	
Trichlorofluoromethane	53		"	50.0		106	59-148		1.66	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54		"	50.0		109	68-144		2.40	30	
Vinyl Chloride	50		"	50.0		100	46-133		0.794	30	
o-Xylene	53		"	50.0		106	88-111		2.99	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB40891 - EPA 5035A											
LCS Dup (BB40891-BSD1)						Prepared & Analyzed: 02/24/2014					
p- & m- Xylenes	100		ug/L	100		104	86-117		1.50	30	
Surrogate: p-Bromofluorobenzene	52.8		"	50.0		106	72-138				
Surrogate: 1,2-Dichloroethane-d4	50.6		"	50.0		101	72-137				
Surrogate: Toluene-d8	48.4		"	50.0		96.9	85-118				
Matrix Spike (BB40891-MS1)						*Source sample: 14B0560-04 (RSB-11/17.5-19.5)					
						Prepared: 02/24/2014 Analyzed: 02/25/2014					
Acetone	100		ug/L	50.0	99	4.32	17-123	Low Bias			
Benzene	53		"	50.0	ND	106	57-128				
Bromochloromethane	52		"	50.0	ND	104	68-120				
Bromodichloromethane	50		"	50.0	ND	99.0	54-144				
Bromoform	48		"	50.0	ND	95.8	36-143				
Bromomethane	48		"	50.0	ND	95.5	23-127				
2-Butanone	63		"	50.0	15	94.6	37-133				
Carbon disulfide	49		"	100	ND	49.0	10-135				
Carbon tetrachloride	55		"	50.0	ND	109	42-146				
Chlorobenzene	47		"	50.0	ND	94.6	39-127				
Chloroethane	51		"	50.0	ND	101	52-132				
Chloroform	54		"	50.0	ND	107	61-135				
Chloromethane	50		"	50.0	ND	99.6	32-135				
Cyclohexane	53		"	50.0	ND	107	70-130				
1,2-Dibromo-3-chloropropane	44		"	50.0	ND	88.6	10-166				
Dibromochloromethane	34		"	50.0	ND	68.6	44-145				
1,2-Dibromoethane	48		"	50.0	ND	95.7	58-124				
1,2-Dichlorobenzene	44		"	50.0	ND	87.1	20-126				
1,3-Dichlorobenzene	43		"	50.0	ND	85.8	24-120				
1,4-Dichlorobenzene	42		"	50.0	ND	84.0	14-124				
Dichlorodifluoromethane	43		"	50.0	ND	85.1	10-131				
1,1-Dichloroethane	53		"	50.0	ND	105	54-140				
1,2-Dichloroethane	51		"	50.0	ND	101	58-139				
1,1-Dichloroethylene	51		"	50.0	ND	102	32-149				
trans-1,2-Dichloroethylene	51		"	50.0	ND	101	42-133				
cis-1,2-Dichloroethylene	53		"	50.0	ND	107	60-126				
1,2-Dichloropropane	50		"	50.0	ND	101	50-142				
trans-1,3-Dichloropropylene	46		"	50.0	ND	92.4	37-135				
cis-1,3-Dichloropropylene	47		"	50.0	ND	94.1	48-132				
1,4-Dioxane	610		"	1000	ND	61.2	33-178				
Ethyl Benzene	49		"	50.0	ND	98.1	37-133				
2-Hexanone	46		"	50.0	ND	91.1	22-132				
Isopropylbenzene	49		"	50.0	ND	98.3	34-133				
Methyl acetate	57		"	50.0	18	78.4	10-218				
Methyl tert-butyl ether (MTBE)	48		"	50.0	ND	96.2	50-146				
Methylcyclohexane	50		"	50.0	ND	100	70-130				
Methylene chloride	51		"	50.0	5.3	90.5	21-163				
4-Methyl-2-pentanone	44		"	50.0	1.3	84.8	38-110				
Styrene	46		"	50.0	ND	92.3	20-138				
1,1,2,2-Tetrachloroethane	44		"	50.0	ND	87.9	17-159				
Tetrachloroethylene	62		"	50.0	ND	124	27-163				
Toluene	50		"	50.0	1.8	97.0	46-129				
1,2,4-Trichlorobenzene	37		"	50.0	ND	74.3	10-121				
1,2,3-Trichlorobenzene	41		"	50.0	ND	82.1	10-126				
1,1,1-Trichloroethane	55		"	50.0	ND	109	49-148				
1,1,2-Trichloroethane	49		"	50.0	ND	98.7	50-139				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40891 - EPA 5035A

Matrix Spike (BB40891-MS1)		*Source sample: 14B0560-04 (RSB-11/17.5-19.5)					Prepared: 02/24/2014 Analyzed: 02/25/2014				
Trichloroethylene	50		ug/L	50.0	ND	101	55-135				
Trichlorofluoromethane	53		"	50.0	ND	105	40-142				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52		"	50.0	ND	103	32-139				
Vinyl Chloride	52		"	50.0	ND	103	30-137				
o-Xylene	49		"	50.0	ND	98.1	37-131				
p- & m- Xylenes	98		"	100	ND	98.0	34-131				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>51.4</i>		<i>"</i>	<i>50.0</i>		<i>103</i>	<i>72-138</i>				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>49.3</i>		<i>"</i>	<i>50.0</i>		<i>98.7</i>	<i>72-137</i>				
<i>Surrogate: Toluene-d8</i>	<i>49.0</i>		<i>"</i>	<i>50.0</i>		<i>98.0</i>	<i>85-118</i>				

Matrix Spike Dup (BB40891-MSD1)		*Source sample: 14B0560-04 (RSB-11/17.5-19.5)					Prepared: 02/24/2014 Analyzed: 02/25/2014				
Acetone	78		ug/L	50.0	95	NR	17-123	Low Bias	25.5	150	
Benzene	53		"	50.0	ND	106	57-128		0.0567	64	
Bromochloromethane	50		"	50.0	ND	99.5	68-120		4.07	30	
Bromodichloromethane	52		"	50.0	ND	104	54-144		5.14	37	
Bromoform	51		"	50.0	ND	102	36-143		6.19	51	
Bromomethane	48		"	50.0	ND	96.8	23-127		1.39	42	
2-Butanone	48		"	50.0	15	67.2	37-133		25.6	67	
Carbon disulfide	49		"	100	ND	48.6	10-135		0.798	36	
Carbon tetrachloride	52		"	50.0	ND	103	42-146		5.55	31	
Chlorobenzene	49		"	50.0	ND	97.8	39-127		3.31	32	
Chloroethane	52		"	50.0	ND	104	52-132		2.36	40	
Chloroform	52		"	50.0	ND	105	61-135		2.34	29	
Chloromethane	47		"	50.0	ND	94.9	32-135		4.92	31	
Cyclohexane	51		"	50.0	ND	102	70-130		4.49	30	
1,2-Dibromo-3-chloropropane	52		"	50.0	ND	103	10-166		15.2	54	
Dibromochloromethane	46		"	50.0	ND	92.1	44-145		29.3	41	
1,2-Dibromoethane	50		"	50.0	ND	99.7	58-124		4.05	39	
1,2-Dichlorobenzene	47		"	50.0	ND	94.2	20-126		7.88	52	
1,3-Dichlorobenzene	45		"	50.0	ND	89.8	24-120		4.49	51	
1,4-Dichlorobenzene	45		"	50.0	ND	89.4	14-124		6.27	52	
Dichlorodifluoromethane	38		"	50.0	ND	76.9	10-131		10.1	34	
1,1-Dichloroethane	51		"	50.0	ND	102	54-140		3.30	36	
1,2-Dichloroethane	51		"	50.0	ND	103	58-139		1.82	32	
1,1-Dichloroethylene	50		"	50.0	ND	99.9	32-149		1.67	31	
trans-1,2-Dichloroethylene	51		"	50.0	ND	102	42-133		0.963	34	
cis-1,2-Dichloroethylene	53		"	50.0	ND	105	60-126		1.42	30	
1,2-Dichloropropane	50		"	50.0	ND	100	50-142		0.418	37	
trans-1,3-Dichloropropylene	47		"	50.0	ND	94.1	37-135		1.80	39	
cis-1,3-Dichloropropylene	49		"	50.0	ND	97.1	48-132		3.20	39	
1,4-Dioxane	590		"	1000	ND	58.6	33-178		4.33	196	
Ethyl Benzene	50		"	50.0	ND	100	37-133		2.16	42	
2-Hexanone	46		"	50.0	ND	93.0	22-132		2.06	60	
Isopropylbenzene	49		"	50.0	ND	98.3	34-133		0.0610	57	
Methyl acetate	50		"	50.0	17	64.8	10-218		13.9	64	
Methyl tert-butyl ether (MTBE)	51		"	50.0	ND	102	50-146		6.34	47	
Methylcyclohexane	49		"	50.0	ND	98.0	70-130		2.18	30	
Methylene chloride	48		"	50.0	5.1	85.7	21-163		5.34	49	
4-Methyl-2-pentanone	48		"	50.0	1.3	93.9	38-110		9.79	47	
Styrene	47		"	50.0	ND	94.2	20-138		1.97	39	
1,1,2,2-Tetrachloroethane	50		"	50.0	ND	99.4	17-159		12.3	56	
Tetrachloroethylene	55		"	50.0	ND	109	27-163		12.9	33	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40891 - EPA 5035A

Matrix Spike Dup (BB40891-MSD1)	*Source sample: 14B0560-04 (RSB-11/17.5-19.5)					Prepared: 02/24/2014 Analyzed: 02/25/2014					
Toluene	56		ug/L	50.0	1.8	109	46-129		11.3	50	
1,2,4-Trichlorobenzene	42		"	50.0	ND	85.0	10-121		13.4	52	
1,2,3-Trichlorobenzene	48		"	50.0	ND	96.2	10-126		15.8	47	
1,1,1-Trichloroethane	54		"	50.0	ND	107	49-148		1.62	30	
1,1,2-Trichloroethane	50		"	50.0	ND	101	50-139		2.01	40	
Trichloroethylene	50		"	50.0	ND	99.4	55-135		1.44	33	
Trichlorofluoromethane	48		"	50.0	ND	96.1	40-142		8.89	32	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46		"	50.0	ND	92.8	32-139		10.9	31	
Vinyl Chloride	50		"	50.0	ND	100	30-137		3.08	35	
o-Xylene	51		"	50.0	ND	102	37-131		3.78	51	
p- & m- Xylenes	100		"	100	ND	100	34-131		2.08	47	
<i>Surrogate: p-Bromofluorobenzene</i>	<i>51.2</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>72-138</i>				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>47.7</i>		<i>"</i>	<i>50.0</i>		<i>95.3</i>	<i>72-137</i>				
<i>Surrogate: Toluene-d8</i>	<i>49.5</i>		<i>"</i>	<i>50.0</i>		<i>99.0</i>	<i>85-118</i>				

Batch BB40946 - EPA 5030B

Blank (BB40946-BLK1)	Prepared & Analyzed: 02/25/2014										
Acetone	ND	10	ug/L								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
2-Butanone	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
Cyclohexane	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
Ethyl Benzene	ND	5.0	"								
2-Hexanone	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40946 - EPA 5030B

Blank (BB40946-BLK1)

Prepared & Analyzed: 02/25/2014

Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L
Methylcyclohexane	ND	5.0	"
Methylene chloride	4.0	10	"
4-Methyl-2-pentanone	ND	5.0	"
Styrene	ND	5.0	"
1,1,2,2-Tetrachloroethane	ND	5.0	"
Tetrachloroethylene	ND	5.0	"
Toluene	ND	5.0	"
1,2,4-Trichlorobenzene	ND	5.0	"
1,2,3-Trichlorobenzene	ND	5.0	"
1,1,2-Trichloroethane	ND	5.0	"
1,1,1-Trichloroethane	ND	5.0	"
Trichloroethylene	ND	5.0	"
Trichlorofluoromethane	ND	5.0	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"
Vinyl Chloride	ND	5.0	"
o-Xylene	ND	5.0	"
p- & m- Xylenes	ND	10	"
Xylenes, Total	ND	15	"

Surrogate: p-Bromofluorobenzene	47.6	"	50.0	95.2	87-112
Surrogate: 1,2-Dichloroethane-d4	54.5	"	50.0	109	78-122
Surrogate: Toluene-d8	50.5	"	50.0	101	91-110

LCS (BB40946-BS1)

Prepared & Analyzed: 02/25/2014

Acetone	45	ug/L	50.0	89.6	30-112
Benzene	52	"	50.0	105	88-113
Bromochloromethane	51	"	50.0	102	80-120
Bromodichloromethane	57	"	50.0	113	87-122
Bromoform	55	"	50.0	111	83-127
Bromomethane	47	"	50.0	93.9	36-135
2-Butanone	56	"	50.0	112	59-127
Carbon disulfide	43	"	100	43.1	35-126
Carbon tetrachloride	52	"	50.0	104	82-128
Chlorobenzene	51	"	50.0	102	90-111
Chloroethane	48	"	50.0	96.3	60-132
Chloroform	53	"	50.0	106	89-116
Chloromethane	57	"	50.0	114	39-131
Cyclohexane	55	"	50.0	110	70-130
1,2-Dibromo-3-chloropropane	66	"	50.0	132	69-134
Dibromochloromethane	52	"	50.0	105	82-132
1,2-Dibromoethane	55	"	50.0	110	85-118
1,4-Dichlorobenzene	52	"	50.0	105	84-116
1,2-Dichlorobenzene	53	"	50.0	106	87-116
1,3-Dichlorobenzene	54	"	50.0	108	85-116
Dichlorodifluoromethane	57	"	50.0	115	10-143
1,2-Dichloroethane	52	"	50.0	105	79-125
1,1-Dichloroethane	55	"	50.0	111	82-121
cis-1,2-Dichloroethylene	48	"	50.0	96.0	90-112
trans-1,2-Dichloroethylene	53	"	50.0	106	73-123
1,1-Dichloroethylene	46	"	50.0	92.7	59-135
1,2-Dichloropropane	57	"	50.0	115	82-119
cis-1,3-Dichloropropylene	55	"	50.0	110	89-124



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40946 - EPA 5030B

LCS (BB40946-BS1)

Prepared & Analyzed: 02/25/2014

trans-1,3-Dichloropropylene	57		ug/L	50.0		114	85-123				
1,4-Dioxane	950		"	1000		94.9	10-210				
Ethyl Benzene	53		"	50.0		107	91-117				
2-Hexanone	60		"	50.0		121	59-127				
Isopropylbenzene	56		"	50.0		112	82-122				
Methyl acetate	44		"	50.0		88.0	64-185				
Methyl tert-butyl ether (MTBE)	55		"	50.0		109	59-135				
Methylcyclohexane	53		"	50.0		105	70-130				
Methylene chloride	61		"	50.0		121	51-136				
4-Methyl-2-pentanone	64		"	50.0		128	50-119	High Bias			
Styrene	48		"	50.0		96.7	88-121				
1,1,2,2-Tetrachloroethane	62		"	50.0		124	84-122	High Bias			
Tetrachloroethylene	49		"	50.0		97.3	67-138				
Toluene	52		"	50.0		104	88-113				
1,2,4-Trichlorobenzene	60		"	50.0		119	72-133				
1,2,3-Trichlorobenzene	56		"	50.0		113	74-132				
1,1,2-Trichloroethane	56		"	50.0		112	83-116				
1,1,1-Trichloroethane	52		"	50.0		103	83-125				
Trichloroethylene	52		"	50.0		104	83-120				
Trichlorofluoromethane	55		"	50.0		109	62-138				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45		"	50.0		89.9	66-141				
Vinyl Chloride	51		"	50.0		102	49-127				
o-Xylene	54		"	50.0		107	91-110				
p- & m- Xylenes	110		"	100		108	86-118				
Surrogate: p-Bromofluorobenzene	51.5		"	50.0		103	87-112				
Surrogate: 1,2-Dichloroethane-d4	51.3		"	50.0		103	78-122				
Surrogate: Toluene-d8	48.8		"	50.0		97.7	91-110				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB40946 - EPA 5030B											
LCS Dup (BB40946-BSD1)						Prepared & Analyzed: 02/25/2014					
Acetone	56		ug/L	50.0		112	30-112		22.0	30	
Benzene	52		"	50.0		104	88-113		0.535	30	
Bromochloromethane	52		"	50.0		103	80-120		0.819	30	
Bromodichloromethane	58		"	50.0		116	87-122		2.39	30	
Bromoform	56		"	50.0		113	83-127		1.88	30	
Bromomethane	48		"	50.0		96.9	36-135		3.17	30	
2-Butanone	60		"	50.0		120	59-127		6.98	30	
Carbon disulfide	46		"	100		46.2	35-126		6.94	30	
Carbon tetrachloride	50		"	50.0		100	82-128		4.27	30	
Chlorobenzene	52		"	50.0		105	90-111		2.49	30	
Chloroethane	52		"	50.0		103	60-132		6.84	30	
Chloroform	53		"	50.0		107	89-116		1.15	30	
Chloromethane	60		"	50.0		119	39-131		4.36	30	
Cyclohexane	54		"	50.0		109	70-130		0.862	30	
1,2-Dibromo-3-chloropropane	73		"	50.0		146	69-134	High Bias	9.69	30	
Dibromochloromethane	56		"	50.0		113	82-132		7.23	30	
1,2-Dibromoethane	59		"	50.0		118	85-118		7.32	30	
1,4-Dichlorobenzene	52		"	50.0		105	84-116		0.0763	30	
1,2-Dichlorobenzene	51		"	50.0		101	87-116		5.20	30	
1,3-Dichlorobenzene	52		"	50.0		103	85-116		4.19	30	
Dichlorodifluoromethane	57		"	50.0		114	10-143		0.524	30	
1,2-Dichloroethane	56		"	50.0		113	79-125		7.55	30	
1,1-Dichloroethane	56		"	50.0		111	82-121		0.541	30	
cis-1,2-Dichloroethylene	49		"	50.0		97.8	90-112		1.78	30	
trans-1,2-Dichloroethylene	53		"	50.0		106	73-123		0.378	30	
1,1-Dichloroethylene	49		"	50.0		98.0	59-135		5.50	30	
1,2-Dichloropropane	60		"	50.0		120	82-119	High Bias	4.50	30	
cis-1,3-Dichloropropylene	57		"	50.0		113	89-124		2.97	30	
trans-1,3-Dichloropropylene	60		"	50.0		120	85-123		5.33	30	
1,4-Dioxane	1100		"	1000		107	10-210		12.3	30	
Ethyl Benzene	56		"	50.0		111	91-117		3.84	30	
2-Hexanone	68		"	50.0		136	59-127	High Bias	11.9	30	
Isopropylbenzene	53		"	50.0		106	82-122		5.10	30	
Methyl acetate	54		"	50.0		108	64-185		20.7	30	
Methyl tert-butyl ether (MTBE)	57		"	50.0		113	59-135		3.45	30	
Methylcyclohexane	55		"	50.0		110	70-130		4.36	30	
Methylene chloride	61		"	50.0		123	51-136		1.00	30	
4-Methyl-2-pentanone	69		"	50.0		139	50-119	High Bias	8.27	30	
Styrene	52		"	50.0		104	88-121		7.16	30	
1,1,2,2-Tetrachloroethane	63		"	50.0		125	84-122	High Bias	0.833	30	
Tetrachloroethylene	50		"	50.0		99.6	67-138		2.40	30	
Toluene	53		"	50.0		105	88-113		0.784	30	
1,2,4-Trichlorobenzene	57		"	50.0		113	72-133		4.89	30	
1,2,3-Trichlorobenzene	56		"	50.0		112	74-132		0.693	30	
1,1,2-Trichloroethane	59		"	50.0		118	83-116	High Bias	5.27	30	
1,1,1-Trichloroethane	52		"	50.0		103	83-125		0.213	30	
Trichloroethylene	54		"	50.0		107	83-120		2.78	30	
Trichlorofluoromethane	54		"	50.0		108	62-138		1.27	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47		"	50.0		93.4	66-141		3.80	30	
Vinyl Chloride	55		"	50.0		110	49-127		6.78	30	
o-Xylene	56		"	50.0		112	91-110	High Bias	4.48	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40946 - EPA 5030B

LCS Dup (BB40946-BSD1)

Prepared & Analyzed: 02/25/2014

p- & m- Xylenes	110		ug/L	100		109	86-118		0.940	30	
Surrogate: p-Bromofluorobenzene	50.7		"	50.0		101	87-112				
Surrogate: 1,2-Dichloroethane-d4	53.2		"	50.0		106	78-122				
Surrogate: Toluene-d8	51.2		"	50.0		102	91-110				

Duplicate (BB40946-DUP1)

*Source sample: 14B0560-11 (TripBlank)

Prepared & Analyzed: 02/25/2014

Acetone	3.0	10	ug/L		4.8				45.8	200	
Benzene	ND	5.0	"		ND					200	
Bromochloromethane	ND	5.0	"		ND					200	
Bromodichloromethane	ND	5.0	"		ND					200	
Bromoform	ND	5.0	"		ND					200	
Bromomethane	ND	5.0	"		ND					200	
2-Butanone	ND	5.0	"		ND					200	
Carbon disulfide	ND	5.0	"		ND					200	
Carbon tetrachloride	ND	5.0	"		ND					200	
Chlorobenzene	ND	5.0	"		ND					200	
Chloroethane	ND	5.0	"		ND					200	
Chloroform	ND	5.0	"		ND					200	
Chloromethane	ND	5.0	"		ND					200	
Cyclohexane	ND	5.0	"		ND					200	
1,2-Dibromo-3-chloropropane	ND	5.0	"		ND					200	
Dibromochloromethane	ND	5.0	"		ND					200	
1,2-Dibromoethane	ND	5.0	"		ND					200	
1,4-Dichlorobenzene	ND	5.0	"		ND					200	
1,2-Dichlorobenzene	ND	5.0	"		ND					200	
1,3-Dichlorobenzene	ND	5.0	"		ND					200	
Dichlorodifluoromethane	ND	5.0	"		ND					200	
1,2-Dichloroethane	ND	5.0	"		ND					200	
1,1-Dichloroethane	ND	5.0	"		ND					200	
cis-1,2-Dichloroethylene	ND	5.0	"		ND					200	
trans-1,2-Dichloroethylene	ND	5.0	"		ND					200	
1,1-Dichloroethylene	ND	5.0	"		ND					200	
1,2-Dichloropropane	ND	5.0	"		ND					200	
cis-1,3-Dichloropropylene	ND	5.0	"		ND					200	
trans-1,3-Dichloropropylene	ND	5.0	"		ND					200	
1,4-Dioxane	ND	100	"		ND					200	
Ethyl Benzene	ND	5.0	"		ND					200	
2-Hexanone	ND	5.0	"		ND					200	
Isopropylbenzene	ND	5.0	"		ND					200	
Methyl acetate	ND	5.0	"		ND					200	
Methyl tert-butyl ether (MTBE)	ND	5.0	"		ND					200	
Methylcyclohexane	ND	5.0	"		ND					200	
Methylene chloride	4.0	10	"		4.0				2.25	200	
4-Methyl-2-pentanone	ND	5.0	"		ND					200	
Styrene	ND	5.0	"		ND					200	
1,1,2,2-Tetrachloroethane	ND	5.0	"		ND					200	
Tetrachloroethylene	ND	5.0	"		ND					200	
Toluene	ND	5.0	"		ND					200	
1,2,4-Trichlorobenzene	ND	5.0	"		ND					200	
1,2,3-Trichlorobenzene	ND	5.0	"		ND					200	
1,1,2-Trichloroethane	ND	5.0	"		ND					200	
1,1,1-Trichloroethane	ND	5.0	"		ND					200	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40946 - EPA 5030B

Duplicate (BB40946-DUP1)		*Source sample: 14B0560-11 (TripBlank)						Prepared & Analyzed: 02/25/2014			
Trichloroethylene	ND	5.0	ug/L		ND					200	
Trichlorofluoromethane	ND	5.0	"		ND					200	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"		ND					200	
Vinyl Chloride	ND	5.0	"		ND					200	
o-Xylene	ND	5.0	"		ND					200	
p- & m- Xylenes	ND	10	"		ND					200	
Xylenes, Total	ND	15	"		ND					200	
<i>Surrogate: p-Bromofluorobenzene</i>	<i>47.2</i>		<i>"</i>	<i>50.0</i>		<i>94.4</i>	<i>87-112</i>				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>53.4</i>		<i>"</i>	<i>50.0</i>		<i>107</i>	<i>78-122</i>				
<i>Surrogate: Toluene-d8</i>	<i>50.4</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>91-110</i>				

Matrix Spike (BB40946-MS1)		*Source sample: 14B0560-11 (TripBlank)						Prepared & Analyzed: 02/25/2014			
Acetone	43		ug/L	50.0	4.8	76.1	15-115				
Benzene	51		"	50.0	ND	102	84-119				
Bromochloromethane	56		"	50.0	ND	112	84-120				
Bromodichloromethane	54		"	50.0	ND	109	86-124				
Bromoform	53		"	50.0	ND	106	79-124				
Bromomethane	44		"	50.0	ND	88.8	25-132				
2-Butanone	54		"	50.0	ND	108	41-143				
Carbon disulfide	43		"	100	ND	42.9	40-123				
Carbon tetrachloride	51		"	50.0	ND	103	79-131				
Chlorobenzene	50		"	50.0	ND	100	88-112				
Chloroethane	48		"	50.0	ND	95.3	66-128				
Chloroform	52		"	50.0	ND	103	84-123				
Chloromethane	52		"	50.0	ND	103	46-117				
Cyclohexane	53		"	50.0	ND	106	70-130				
1,2-Dibromo-3-chloropropane	62		"	50.0	ND	125	72-125				
Dibromochloromethane	52		"	50.0	ND	104	91-121				
1,2-Dibromoethane	54		"	50.0	ND	108	89-114				
1,4-Dichlorobenzene	51		"	50.0	ND	102	71-120				
1,2-Dichlorobenzene	51		"	50.0	ND	101	80-117				
1,3-Dichlorobenzene	50		"	50.0	ND	100	72-121				
Dichlorodifluoromethane	44		"	50.0	ND	87.7	10-139				
1,2-Dichloroethane	54		"	50.0	ND	108	76-132				
1,1-Dichloroethane	54		"	50.0	ND	108	76-129				
cis-1,2-Dichloroethylene	48		"	50.0	ND	95.8	85-119				
trans-1,2-Dichloroethylene	52		"	50.0	ND	104	73-125				
1,1-Dichloroethylene	49		"	50.0	ND	98.9	56-138				
1,2-Dichloropropane	56		"	50.0	ND	112	84-120				
cis-1,3-Dichloropropylene	53		"	50.0	ND	106	83-123				
trans-1,3-Dichloropropylene	54		"	50.0	ND	109	76-121				
1,4-Dioxane	940		"	1000	ND	93.6	10-224				
Ethyl Benzene	51		"	50.0	ND	102	89-117				
2-Hexanone	60		"	50.0	ND	120	62-117	High Bias			
Isopropylbenzene	52		"	50.0	ND	105	76-122				
Methyl acetate	44		"	50.0	ND	88.1	50-166				
Methyl tert-butyl ether (MTBE)	55		"	50.0	ND	110	52-138				
Methylcyclohexane	51		"	50.0	ND	103	70-130				
Methylene chloride	60		"	50.0	4.0	111	44-141				
4-Methyl-2-pentanone	60		"	50.0	ND	121	58-111	High Bias			
Styrene	49		"	50.0	ND	98.2	83-121				
1,1,2,2-Tetrachloroethane	58		"	50.0	ND	116	81-124				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40946 - EPA 5030B

Matrix Spike (BB40946-MS1)		*Source sample: 14B0560-11 (TripBlank)					Prepared & Analyzed: 02/25/2014				
Tetrachloroethylene	47		ug/L	50.0	ND	93.6	69-113				
Toluene	51		"	50.0	ND	102	84-116				
1,2,4-Trichlorobenzene	54		"	50.0	ND	109	54-134				
1,2,3-Trichlorobenzene	54		"	50.0	ND	109	60-134				
1,1,2-Trichloroethane	56		"	50.0	ND	111	85-114				
1,1,1-Trichloroethane	52		"	50.0	ND	104	80-129				
Trichloroethylene	51		"	50.0	ND	102	81-122				
Trichlorofluoromethane	51		"	50.0	ND	103	63-137				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46		"	50.0	ND	91.7	65-141				
Vinyl Chloride	49		"	50.0	ND	97.7	54-119				
o-Xylene	53		"	50.0	ND	105	88-111				
p- & m- Xylenes	100		"	100	ND	105	83-118				
Surrogate: p-Bromofluorobenzene	47.6		"	50.0		95.1	87-112				
Surrogate: 1,2-Dichloroethane-d4	51.4		"	50.0		103	78-122				
Surrogate: Toluene-d8	48.6		"	50.0		97.2	91-110				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40881 - EPA 3550C

Blank (BB40881-BLK1)

Prepared: 02/24/2014 Analyzed: 02/25/2014

Acenaphthene	ND	167	ug/kg wet
Acenaphthylene	ND	167	"
Acetophenone	ND	167	"
Anthracene	ND	167	"
Atrazine	ND	167	"
Benzaldehyde	ND	167	"
Benzo(a)anthracene	ND	167	"
Benzo(a)pyrene	ND	167	"
Benzo(b)fluoranthene	ND	167	"
Benzo(g,h,i)perylene	ND	167	"
Benzo(k)fluoranthene	ND	167	"
Benzyl butyl phthalate	ND	167	"
1,1'-Biphenyl	ND	167	"
4-Bromophenyl phenyl ether	ND	167	"
Caprolactam	ND	167	"
Carbazole	ND	167	"
4-Chloro-3-methylphenol	ND	167	"
4-Chloroaniline	ND	167	"
Bis(2-chloroethoxy)methane	ND	167	"
Bis(2-chloroethyl)ether	ND	167	"
Bis(2-chloroisopropyl)ether	ND	167	"
2-Chloronaphthalene	ND	167	"
2-Chlorophenol	ND	167	"
4-Chlorophenyl phenyl ether	ND	167	"
Chrysene	ND	167	"
Dibenzo(a,h)anthracene	ND	167	"
Dibenzofuran	ND	167	"
Di-n-butyl phthalate	ND	167	"
3,3'-Dichlorobenzidine	ND	333	"
2,4-Dichlorophenol	ND	167	"
Diethyl phthalate	ND	167	"
2,4-Dimethylphenol	ND	167	"
Dimethyl phthalate	ND	167	"
4,6-Dinitro-2-methylphenol	ND	167	"
2,4-Dinitrophenol	ND	333	"
2,4-Dinitrotoluene	ND	167	"
2,6-Dinitrotoluene	ND	167	"
Di-n-octyl phthalate	ND	167	"
Bis(2-ethylhexyl)phthalate	ND	167	"
Fluoranthene	ND	167	"
Fluorene	ND	167	"
Hexachlorobenzene	ND	167	"
Hexachlorobutadiene	ND	167	"
Hexachlorocyclopentadiene	ND	167	"
Hexachloroethane	ND	167	"
Indeno(1,2,3-cd)pyrene	ND	167	"
Isophorone	ND	167	"
2-Methylnaphthalene	ND	167	"
2-Methylphenol	ND	167	"
3- & 4-Methylphenols	ND	167	"
Naphthalene	ND	167	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40881 - EPA 3550C

Blank (BB40881-BLK1)

Prepared: 02/24/2014 Analyzed: 02/25/2014

4-Nitroaniline	ND	167	ug/kg wet
2-Nitroaniline	ND	167	"
3-Nitroaniline	ND	167	"
Nitrobenzene	ND	167	"
2-Nitrophenol	ND	167	"
4-Nitrophenol	ND	167	"
N-nitroso-di-n-propylamine	ND	167	"
N-Nitrosodiphenylamine	ND	167	"
Pentachlorophenol	ND	167	"
Phenanthrene	ND	167	"
Phenol	ND	167	"
Pyrene	ND	167	"
1,2,4,5-Tetrachlorobenzene	ND	167	"
2,4,6-Trichlorophenol	ND	167	"
2,4,5-Trichlorophenol	ND	167	"

Surrogate: 2-Fluorophenol	1800	"	2520	71.5	10-109
Surrogate: Phenol-d5	1810	"	2520	71.9	10-124
Surrogate: Nitrobenzene-d5	1300	"	1700	76.3	10-148
Surrogate: 2-Fluorobiphenyl	1400	"	1690	82.6	10-111
Surrogate: 2,4,6-Tribromophenol	2740	"	2480	111	10-142
Surrogate: Terphenyl-d14	1670	"	1690	99.1	10-147

LCS (BB40881-BS1)

Prepared: 02/24/2014 Analyzed: 02/25/2014

Acenaphthene	1330	167	ug/kg wet	1670	79.6	35-127
Acenaphthylene	1260	167	"	1670	75.7	37-121
Acetophenone	1070	167	"	1670	63.9	40-140
Anthracene	1360	167	"	1670	81.8	38-131
Atrazine	1330	167	"	1670	79.9	40-140
Benzaldehyde	920	167	"	1670	55.2	40-140
Benzo(a)anthracene	1450	167	"	1670	87.1	37-137
Benzo(a)pyrene	2100	167	"	1670	126	33-162
Benzo(b)fluoranthene	1340	167	"	1670	80.4	26-160
Benzo(g,h,i)perylene	2290	167	"	1670	138	10-154
Benzo(k)fluoranthene	1530	167	"	1670	91.7	34-143
Benzyl butyl phthalate	1360	167	"	1670	81.5	30-143
1,1'-Biphenyl	1070	167	"	1670	64.1	40-140
4-Bromophenyl phenyl ether	1590	167	"	1670	95.5	35-135
Caprolactam	1030	167	"	1670	62.1	40-140
Carbazole	1410	167	"	1670	84.7	10-241
4-Chloro-3-methylphenol	1390	167	"	1670	83.6	34-133
4-Chloroaniline	845	167	"	1670	50.7	17-175
Bis(2-chloroethoxy)methane	1180	167	"	1670	70.7	31-119
Bis(2-chloroethyl)ether	1110	167	"	1670	66.7	18-124
Bis(2-chloroisopropyl)ether	927	167	"	1670	55.6	10-141
2-Chloronaphthalene	1310	167	"	1670	78.8	34-117
2-Chlorophenol	1240	167	"	1670	74.7	32-123
4-Chlorophenyl phenyl ether	1270	167	"	1670	76.1	25-142
Chrysene	1230	167	"	1670	73.9	38-132
Dibenzo(a,h)anthracene	2100	167	"	1670	126	14-153
Dibenzofuran	1400	167	"	1670	83.8	39-123
Di-n-butyl phthalate	1260	167	"	1670	75.3	35-132



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40881 - EPA 3550C

LCS (BB40881-BS1)

Prepared: 02/24/2014 Analyzed: 02/25/2014

3,3'-Dichlorobenzidine	1250	333	ug/kg wet	1670		74.9	16-177				
2,4-Dichlorophenol	1530	167	"	1670		91.7	30-134				
Diethyl phthalate	1390	167	"	1670		83.4	41-125				
2,4-Dimethylphenol	1290	167	"	1670		77.6	33-120				
Dimethyl phthalate	1450	167	"	1670		86.7	39-125				
4,6-Dinitro-2-methylphenol	1260	167	"	1670		75.5	10-165				
2,4-Dinitrophenol	1460	333	"	1670		87.6	53-209				
2,4-Dinitrotoluene	1540	167	"	1670		92.6	41-129				
2,6-Dinitrotoluene	1470	167	"	1670		88.2	42-130				
Di-n-octyl phthalate	1310	167	"	1670		78.4	19-162				
Bis(2-ethylhexyl)phthalate	1070	167	"	1670		64.3	35-137				
Fluoranthene	1470	167	"	1670		88.3	35-136				
Fluorene	1230	167	"	1670		73.9	33-134				
Hexachlorobenzene	1220	167	"	1670		73.2	31-139				
Hexachlorobutadiene	1670	167	"	1670		100	19-137				
Hexachlorocyclopentadiene	1050	167	"	1670		63.2	10-145				
Hexachloroethane	1100	167	"	1670		65.9	12-125				
Indeno(1,2,3-cd)pyrene	2070	167	"	1670		124	11-155				
Isophorone	1220	167	"	1670		73.4	30-125				
2-Methylnaphthalene	1270	167	"	1670		76.4	30-125				
2-Methylphenol	1200	167	"	1670		72.3	30-128				
3- & 4-Methylphenols	1120	167	"	1670		67.2	30-120				
Naphthalene	1220	167	"	1670		73.4	28-121				
4-Nitroaniline	1240	167	"	1670		74.7	10-208				
2-Nitroaniline	1370	167	"	1670		82.0	38-130				
3-Nitroaniline	1360	167	"	1670		81.7	10-234				
Nitrobenzene	1260	167	"	1670		75.7	28-118				
2-Nitrophenol	1360	167	"	1670		81.6	23-129				
4-Nitrophenol	1380	167	"	1670		82.9	10-185				
N-nitroso-di-n-propylamine	1100	167	"	1670		66.2	21-136				
N-Nitrosodiphenylamine	1500	167	"	1670		90.0	36-163				
Pentachlorophenol	1560	167	"	1670		93.4	15-182				
Phenanthrene	1350	167	"	1670		81.2	37-132				
Phenol	1060	167	"	1670		63.8	28-124				
Pyrene	1530	167	"	1670		92.0	30-147				
1,2,4,5-Tetrachlorobenzene	1350	167	"	1670		80.9	40-140				
2,4,6-Trichlorophenol	1570	167	"	1670		94.4	36-130				
2,4,5-Trichlorophenol	1600	167	"	1670		95.8	34-126				
Surrogate: 2-Fluorophenol	1930		"	2520		76.6	10-109				
Surrogate: Phenol-d5	1790		"	2520		71.2	10-124				
Surrogate: Nitrobenzene-d5	1330		"	1700		78.0	10-148				
Surrogate: 2-Fluorobiphenyl	1340		"	1690		79.3	10-111				
Surrogate: 2,4,6-Tribromophenol	2900		"	2480		117	10-142				
Surrogate: Terphenyl-d14	1710		"	1690		101	10-147				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB40881 - EPA 3550C											
Matrix Spike (BB40881-MS1)		*Source sample: 14B0560-04 (RSB-11/17.5-19.5)					Prepared: 02/24/2014 Analyzed: 02/25/2014				
Acenaphthene	1100	195	ug/kg dry	1950	ND	56.7	10-143				
Acenaphthylene	1040	195	"	1950	ND	53.5	10-137				
Acetophenone	841	195	"	1950	ND	43.2	40-140				
Anthracene	1250	195	"	1950	ND	64.1	18-140				
Atrazine	1210	195	"	1950	ND	61.9	40-140				
Benzaldehyde	794	195	"	1950	ND	40.7	40-140				
Benzo(a)anthracene	1380	195	"	1950	ND	71.1	10-154				
Benzo(a)pyrene	1940	195	"	1950	ND	99.3	12-172				
Benzo(b)fluoranthene	1420	195	"	1950	ND	72.7	18-163				
Benzo(g,h,i)perylene	2270	195	"	1950	ND	117	10-158				
Benzo(k)fluoranthene	1480	195	"	1950	ND	75.7	14-157				
Benzyl butyl phthalate	1230	195	"	1950	ND	63.2	10-152				
1,1'-Biphenyl	908	195	"	1950	ND	46.6	40-140				
4-Bromophenyl phenyl ether	1380	195	"	1950	ND	71.0	11-146				
Caprolactam	973	195	"	1950	ND	49.9	40-140				
Carbazole	1240	195	"	1950	ND	63.4	10-233				
4-Chloro-3-methylphenol	1150	195	"	1950	ND	59.1	10-156				
4-Chloroaniline	1080	195	"	1950	ND	55.5	10-168				
Bis(2-chloroethoxy)methane	918	195	"	1950	ND	47.1	10-135				
Bis(2-chloroethyl)ether	882	195	"	1950	ND	45.3	10-127				
Bis(2-chloroisopropyl)ether	762	195	"	1950	ND	39.1	10-142				
2-Chloronaphthalene	1100	195	"	1950	ND	56.3	12-129				
2-Chlorophenol	977	195	"	1950	ND	50.1	10-133				
4-Chlorophenyl phenyl ether	1180	195	"	1950	ND	60.5	13-138				
Chrysene	1210	195	"	1950	ND	62.0	22-140				
Dibenzo(a,h)anthracene	1890	195	"	1950	ND	96.8	10-146				
Dibenzofuran	1210	195	"	1950	ND	61.9	15-136				
Di-n-butyl phthalate	1180	195	"	1950	ND	60.3	20-138				
3,3'-Dichlorobenzidine	1340	389	"	1950	ND	69.0	10-154				
2,4-Dichlorophenol	1190	195	"	1950	ND	61.2	10-140				
Diethyl phthalate	1270	195	"	1950	ND	65.3	20-132				
2,4-Dimethylphenol	1020	195	"	1950	ND	52.4	10-130				
Dimethyl phthalate	1270	195	"	1950	ND	65.2	22-128				
4,6-Dinitro-2-methylphenol	1340	195	"	1950	ND	68.7	10-145				
2,4-Dinitrophenol	1430	390	"	1950	ND	73.5	10-175				
2,4-Dinitrotoluene	1430	195	"	1950	ND	73.2	10-145				
2,6-Dinitrotoluene	1290	195	"	1950	ND	66.3	18-135				
Di-n-octyl phthalate	1220	195	"	1950	ND	62.8	10-177				
Bis(2-ethylhexyl)phthalate	1050	195	"	1950	ND	53.8	22-144				
Fluoranthene	1360	195	"	1950	ND	70.0	10-155				
Fluorene	1130	195	"	1950	ND	57.9	18-139				
Hexachlorobenzene	1100	195	"	1950	ND	56.5	16-150				
Hexachlorobutadiene	1250	195	"	1950	ND	64.1	10-135				
Hexachlorocyclopentadiene	717	195	"	1950	ND	36.8	10-120				
Hexachloroethane	785	195	"	1950	ND	40.3	10-115				
Indeno(1,2,3-cd)pyrene	2060	195	"	1950	ND	106	10-158				
Isophorone	946	195	"	1950	ND	48.6	10-136				
2-Methylnaphthalene	1130	195	"	1950	ND	58.0	10-143				
2-Methylphenol	997	195	"	1950	ND	51.2	10-160				
3- & 4-Methylphenols	929	195	"	1950	ND	47.7	10-130				
Naphthalene	992	195	"	1950	ND	50.9	10-143				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40881 - EPA 3550C

Matrix Spike (BB40881-MS1)		*Source sample: 14B0560-04 (RSB-11/17.5-19.5)					Prepared: 02/24/2014 Analyzed: 02/25/2014				
4-Nitroaniline	1280	195	ug/kg dry	1950	ND	65.7	10-189				
2-Nitroaniline	1220	195	"	1950	ND	62.7	19-137				
3-Nitroaniline	1340	195	"	1950	ND	68.9	10-196				
Nitrobenzene	978	195	"	1950	ND	50.2	10-146				
2-Nitrophenol	1090	195	"	1950	ND	55.7	10-148				
4-Nitrophenol	1150	195	"	1950	ND	59.0	10-180				
N-nitroso-di-n-propylamine	920	195	"	1950	ND	47.2	10-150				
N-Nitrosodiphenylamine	1390	195	"	1950	ND	71.1	13-166				
Pentachlorophenol	1490	195	"	1950	ND	76.4	10-189				
Phenanthrene	1240	195	"	1950	ND	63.8	12-151				
Phenol	883	195	"	1950	ND	45.3	10-134				
Pyrene	1420	195	"	1950	ND	72.7	10-156				
1,2,4,5-Tetrachlorobenzene	1070	195	"	1950	ND	54.7	40-140				
2,4,6-Trichlorophenol	1270	195	"	1950	ND	65.3	10-144				
2,4,5-Trichlorophenol	1320	195	"	1950	ND	68.0	17-131				
Surrogate: 2-Fluorophenol	1490		"	2950		50.4	10-109				
Surrogate: Phenol-d5	1490		"	2940		50.6	10-124				
Surrogate: Nitrobenzene-d5	1050		"	1990		52.7	10-148				
Surrogate: 2-Fluorobiphenyl	1150		"	1980		57.9	10-111				
Surrogate: 2,4,6-Tribromophenol	2690		"	2900		92.6	10-142				
Surrogate: Terphenyl-d14	1600		"	1980		80.8	10-147				

Matrix Spike Dup (BB40881-MSD1)		*Source sample: 14B0560-04 (RSB-11/17.5-19.5)					Prepared: 02/24/2014 Analyzed: 02/25/2014				
Acenaphthene	1270	195	ug/kg dry	1950	ND	65.3	10-143		14.1	30	
Acenaphthylene	1220	195	"	1950	ND	62.6	10-137		15.7	30	
Acetophenone	993	195	"	1950	ND	51.0	40-140		16.5	30	
Anthracene	1330	195	"	1950	ND	68.5	18-140		6.61	30	
Atrazine	1320	195	"	1950	ND	67.5	40-140		8.65	30	
Benzaldehyde	868	195	"	1950	ND	44.5	40-140		8.91	30	
Benzo(a)anthracene	1470	195	"	1950	ND	75.2	10-154		5.69	30	
Benzo(a)pyrene	2080	195	"	1950	ND	107	12-172		7.28	30	
Benzo(b)fluoranthene	1700	195	"	1950	ND	87.1	18-163		18.0	30	
Benzo(g,h,i)perylene	2440	195	"	1950	ND	125	10-158		7.08	30	
Benzo(k)fluoranthene	1480	195	"	1950	ND	75.8	14-157		0.106	30	
Benzyl butyl phthalate	1340	195	"	1950	ND	68.7	10-152		8.33	30	
1,1'-Biphenyl	1040	195	"	1950	ND	53.6	40-140		13.9	30	
4-Bromophenyl phenyl ether	1540	195	"	1950	ND	79.0	11-146		10.7	30	
Caprolactam	1160	195	"	1950	ND	59.5	40-140		17.5	30	
Carbazole	1360	195	"	1950	ND	69.8	10-233		9.55	30	
4-Chloro-3-methylphenol	1380	195	"	1950	ND	71.0	10-156		18.4	30	
4-Chloroaniline	1320	195	"	1950	ND	67.6	10-168		19.7	30	
Bis(2-chloroethoxy)methane	1070	195	"	1950	ND	55.1	10-135		15.6	30	
Bis(2-chloroethyl)ether	976	195	"	1950	ND	50.1	10-127		10.2	30	
Bis(2-chloroisopropyl)ether	833	195	"	1950	ND	42.7	10-142		8.84	30	
2-Chloronaphthalene	1240	195	"	1950	ND	63.8	12-129		12.4	30	
2-Chlorophenol	1100	195	"	1950	ND	56.2	10-133		11.4	30	
4-Chlorophenyl phenyl ether	1320	195	"	1950	ND	67.6	13-138		11.1	30	
Chrysene	1290	195	"	1950	ND	66.1	22-140		6.41	30	
Dibenzo(a,h)anthracene	2020	195	"	1950	ND	104	10-146		7.00	30	
Dibenzofuran	1390	195	"	1950	ND	71.1	15-136		13.8	30	
Di-n-butyl phthalate	1250	195	"	1950	ND	64.3	20-138		6.39	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40881 - EPA 3550C

Matrix Spike Dup (BB40881-MSD1)	*Source sample: 14B0560-04 (RSB-11/17.5-19.5)					Prepared: 02/24/2014 Analyzed: 02/25/2014					
3,3'-Dichlorobenzidine	1380	389	ug/kg dry	1950	ND	71.1	10-154		3.00	30	
2,4-Dichlorophenol	1420	195	"	1950	ND	72.9	10-140		17.4	30	
Diethyl phthalate	1380	195	"	1950	ND	70.6	20-132		7.89	30	
2,4-Dimethylphenol	1200	195	"	1950	ND	61.4	10-130		15.7	30	
Dimethyl phthalate	1420	195	"	1950	ND	72.8	22-128		10.9	30	
4,6-Dinitro-2-methylphenol	1380	195	"	1950	ND	70.9	10-145		3.12	30	
2,4-Dinitrophenol	1570	390	"	1950	ND	80.3	10-175		8.95	30	
2,4-Dinitrotoluene	1550	195	"	1950	ND	79.4	10-145		8.18	30	
2,6-Dinitrotoluene	1470	195	"	1950	ND	75.2	18-135		12.6	30	
Di-n-octyl phthalate	1310	195	"	1950	ND	67.4	10-177		7.13	30	
Bis(2-ethylhexyl)phthalate	1130	195	"	1950	ND	57.9	22-144		7.23	30	
Fluoranthene	1480	195	"	1950	ND	75.8	10-155		7.98	30	
Fluorene	1240	195	"	1950	ND	63.8	18-139		9.73	30	
Hexachlorobenzene	1210	195	"	1950	ND	62.1	16-150		9.48	30	
Hexachlorobutadiene	1430	195	"	1950	ND	73.3	10-135		13.4	30	
Hexachlorocyclopentadiene	855	195	"	1950	ND	43.9	10-120		17.6	30	
Hexachloroethane	893	195	"	1950	ND	45.8	10-115		12.8	30	
Indeno(1,2,3-cd)pyrene	2210	195	"	1950	ND	114	10-158		7.15	30	
Isophorone	1120	195	"	1950	ND	57.7	10-136		17.1	30	
2-Methylnaphthalene	1290	195	"	1950	ND	66.0	10-143		12.8	30	
2-Methylphenol	1130	195	"	1950	ND	57.9	10-160		12.4	30	
3- & 4-Methylphenols	1050	195	"	1950	ND	53.9	10-130		12.2	30	
Naphthalene	1110	195	"	1950	ND	57.1	10-143		11.4	30	
4-Nitroaniline	1390	195	"	1950	ND	71.3	10-189		8.24	30	
2-Nitroaniline	1390	195	"	1950	ND	71.5	19-137		13.1	30	
3-Nitroaniline	1500	195	"	1950	ND	77.1	10-196		11.3	30	
Nitrobenzene	1140	195	"	1950	ND	58.4	10-146		15.0	30	
2-Nitrophenol	1250	195	"	1950	ND	64.0	10-148		13.8	30	
4-Nitrophenol	1270	195	"	1950	ND	65.0	10-180		9.68	30	
N-nitroso-di-n-propylamine	1020	195	"	1950	ND	52.4	10-150		10.4	30	
N-Nitrosodiphenylamine	1510	195	"	1950	ND	77.5	13-166		8.59	30	
Pentachlorophenol	1600	195	"	1950	ND	82.3	10-189		7.38	30	
Phenanthrene	1330	195	"	1950	ND	68.1	12-151		6.49	30	
Phenol	974	195	"	1950	ND	50.0	10-134		9.78	30	
Pyrene	1520	195	"	1950	ND	78.2	10-156		7.18	30	
1,2,4,5-Tetrachlorobenzene	1240	195	"	1950	ND	63.5	40-140		14.8	30	
2,4,6-Trichlorophenol	1490	195	"	1950	ND	76.7	10-144		16.0	30	
2,4,5-Trichlorophenol	1590	195	"	1950	ND	81.7	17-131		18.3	30	
<i>Surrogate: 2-Fluorophenol</i>	<i>1640</i>		<i>"</i>	<i>2950</i>		<i>55.6</i>	<i>10-109</i>				
<i>Surrogate: Phenol-d5</i>	<i>1610</i>		<i>"</i>	<i>2940</i>		<i>54.8</i>	<i>10-124</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>1170</i>		<i>"</i>	<i>1990</i>		<i>59.1</i>	<i>10-148</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1270</i>		<i>"</i>	<i>1980</i>		<i>64.4</i>	<i>10-111</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>2920</i>		<i>"</i>	<i>2900</i>		<i>101</i>	<i>10-142</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1710</i>		<i>"</i>	<i>1980</i>		<i>86.5</i>	<i>10-147</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40969 - EPA 3510C

Blank (BB40969-BLK1)

Prepared: 02/26/2014 Analyzed: 02/27/2014

Acenaphthene	ND	5.00	ug/L
Acenaphthylene	ND	5.00	"
Acetophenone	ND	5.00	"
Anthracene	ND	5.00	"
Atrazine	ND	5.00	"
Benzaldehyde	ND	5.00	"
Benzo(a)anthracene	ND	5.00	"
Benzo(a)pyrene	ND	5.00	"
Benzo(b)fluoranthene	ND	5.00	"
Benzo(g,h,i)perylene	ND	5.00	"
Benzo(k)fluoranthene	ND	5.00	"
Benzyl butyl phthalate	ND	5.00	"
1,1'-Biphenyl	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
Caprolactam	ND	5.00	"
Carbazole	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
Chrysene	ND	5.00	"
Dibenzo(a,h)anthracene	ND	5.00	"
Dibenzofuran	ND	5.00	"
Di-n-butyl phthalate	ND	5.00	"
3,3'-Dichlorobenzidine	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
Diethyl phthalate	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
Dimethyl phthalate	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
Di-n-octyl phthalate	ND	5.00	"
Bis(2-ethylhexyl)phthalate	ND	5.00	"
Fluoranthene	ND	5.00	"
Fluorene	ND	5.00	"
Hexachlorobenzene	ND	5.00	"
Hexachlorobutadiene	ND	5.00	"
Hexachlorocyclopentadiene	ND	5.00	"
Hexachloroethane	ND	5.00	"
Indeno(1,2,3-cd)pyrene	ND	5.00	"
Isophorone	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
Naphthalene	ND	5.00	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40969 - EPA 3510C

Blank (BB40969-BLK1)

Prepared: 02/26/2014 Analyzed: 02/27/2014

3-Nitroaniline	ND	5.00	ug/L
4-Nitroaniline	ND	5.00	"
2-Nitroaniline	ND	5.00	"
Nitrobenzene	ND	5.00	"
4-Nitrophenol	ND	5.00	"
2-Nitrophenol	ND	5.00	"
N-nitroso-di-n-propylamine	ND	5.00	"
N-Nitrosodiphenylamine	ND	5.00	"
Pentachlorophenol	ND	5.00	"
Phenanthrene	ND	5.00	"
Phenol	ND	5.00	"
Pyrene	ND	5.00	"
1,2,4,5-Tetrachlorobenzene	ND	5.00	"
2,4,6-Trichlorophenol	ND	5.00	"
2,4,5-Trichlorophenol	ND	5.00	"

Surrogate: 2-Fluorophenol	16.3	"	75.6	21.6	10-52
Surrogate: Phenol-d5	8.92	"	75.5	11.8	10-117
Surrogate: Nitrobenzene-d5	29.9	"	51.0	58.5	12-112
Surrogate: 2-Fluorobiphenyl	31.2	"	50.8	61.4	14-101
Surrogate: 2,4,6-Tribromophenol	68.6	"	74.4	92.2	17-127
Surrogate: Terphenyl-d14	47.5	"	50.7	93.8	10-151

Blank (BB40969-BLK2)

Prepared: 02/26/2014 Analyzed: 02/27/2014

Acenaphthene	ND	10.0	ug/L
Acenaphthylene	ND	10.0	"
Acetophenone	ND	10.0	"
Anthracene	ND	10.0	"
Atrazine	ND	10.0	"
Benzaldehyde	ND	10.0	"
Benzo(a)anthracene	ND	10.0	"
Benzo(a)pyrene	ND	10.0	"
Benzo(b)fluoranthene	ND	10.0	"
Benzo(g,h,i)perylene	ND	10.0	"
Benzo(k)fluoranthene	ND	10.0	"
Benzyl butyl phthalate	ND	10.0	"
1,1'-Biphenyl	ND	10.0	"
4-Bromophenyl phenyl ether	ND	10.0	"
Caprolactam	ND	10.0	"
Carbazole	ND	10.0	"
4-Chloro-3-methylphenol	ND	10.0	"
4-Chloroaniline	ND	10.0	"
Bis(2-chloroethoxy)methane	ND	10.0	"
Bis(2-chloroethyl)ether	ND	10.0	"
Bis(2-chloroisopropyl)ether	ND	10.0	"
2-Chloronaphthalene	ND	10.0	"
2-Chlorophenol	ND	10.0	"
4-Chlorophenyl phenyl ether	ND	10.0	"
Chrysene	ND	10.0	"
Dibenzo(a,h)anthracene	ND	10.0	"
Dibenzofuran	ND	10.0	"
Di-n-butyl phthalate	ND	10.0	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40969 - EPA 3510C

Blank (BB40969-BLK2)

Prepared: 02/26/2014 Analyzed: 02/27/2014

3,3'-Dichlorobenzidine	ND	10.0	ug/L
2,4-Dichlorophenol	ND	10.0	"
Diethyl phthalate	ND	10.0	"
2,4-Dimethylphenol	ND	10.0	"
Dimethyl phthalate	ND	10.0	"
4,6-Dinitro-2-methylphenol	ND	10.0	"
2,4-Dinitrophenol	ND	10.0	"
2,4-Dinitrotoluene	ND	10.0	"
2,6-Dinitrotoluene	ND	10.0	"
Di-n-octyl phthalate	ND	10.0	"
Bis(2-ethylhexyl)phthalate	ND	10.0	"
Fluoranthene	ND	10.0	"
Fluorene	ND	10.0	"
Hexachlorobenzene	ND	10.0	"
Hexachlorobutadiene	ND	10.0	"
Hexachlorocyclopentadiene	ND	10.0	"
Hexachloroethane	ND	10.0	"
Indeno(1,2,3-cd)pyrene	ND	10.0	"
Isophorone	ND	10.0	"
2-Methylnaphthalene	ND	10.0	"
2-Methylphenol	ND	10.0	"
3- & 4-Methylphenols	ND	10.0	"
Naphthalene	ND	10.0	"
3-Nitroaniline	ND	10.0	"
4-Nitroaniline	ND	10.0	"
2-Nitroaniline	ND	10.0	"
Nitrobenzene	ND	10.0	"
4-Nitrophenol	ND	10.0	"
2-Nitrophenol	ND	10.0	"
N-nitroso-di-n-propylamine	ND	10.0	"
N-Nitrosodiphenylamine	ND	10.0	"
Pentachlorophenol	ND	10.0	"
Phenanthrene	ND	10.0	"
Phenol	ND	10.0	"
Pyrene	ND	10.0	"
1,2,4,5-Tetrachlorobenzene	ND	10.0	"
2,4,6-Trichlorophenol	ND	10.0	"
2,4,5-Trichlorophenol	ND	10.0	"

Surrogate: 2-Fluorophenol	54.6	"	151	36.1	10-52
Surrogate: Phenol-d5	36.5	"	151	24.1	10-117
Surrogate: Nitrobenzene-d5	64.9	"	102	63.6	12-112
Surrogate: 2-Fluorobiphenyl	62.1	"	102	61.1	14-101
Surrogate: 2,4,6-Tribromophenol	152	"	149	102	17-127
Surrogate: Terphenyl-d14	94.5	"	101	93.2	10-151



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BB40969 - EPA 3510C											
LCS (BB40969-BS1)						Prepared: 02/26/2014 Analyzed: 02/27/2014					
Acenaphthene	31.4	5.00	ug/L	50.0		62.8	31-101				
Acenaphthylene	30.1	5.00	"	50.0		60.2	29-98				
Acetophenone	23.4	5.00	"	50.0		46.7	40-140				
Anthracene	32.0	5.00	"	50.0		64.1	24-108				
Atrazine	30.6	5.00	"	50.0		61.2	40-140				
Benzaldehyde	20.9	5.00	"	50.0		41.8	40-140				
Benzo(a)anthracene	34.6	5.00	"	50.0		69.2	28-117				
Benzo(a)pyrene	43.0	5.00	"	50.0		86.0	24-131				
Benzo(b)fluoranthene	45.2	5.00	"	50.0		90.5	11-145				
Benzo(g,h,i)perylene	18.3	5.00	"	50.0		36.6	10-110				
Benzo(k)fluoranthene	47.4	5.00	"	50.0		94.8	10-161				
Benzyl butyl phthalate	33.7	5.00	"	50.0		67.3	14-134				
1,1'-Biphenyl	25.9	5.00	"	50.0		51.8	40-140				
4-Bromophenyl phenyl ether	36.7	5.00	"	50.0		73.4	28-109				
Caprolactam	3.84	5.00	"	50.0		7.68	40-140	Low Bias			
Carbazole	34.4	5.00	"	50.0		68.9	10-207				
4-Chloro-3-methylphenol	28.2	5.00	"	50.0		56.4	23-100				
4-Chloroaniline	38.7	5.00	"	50.0		77.4	17-168				
Bis(2-chloroethoxy)methane	26.7	5.00	"	50.0		53.5	23-106				
Bis(2-chloroethyl)ether	23.8	5.00	"	50.0		47.5	14-116				
Bis(2-chloroisopropyl)ether	22.5	5.00	"	50.0		45.1	10-155				
2-Chloronaphthalene	30.8	5.00	"	50.0		61.7	32-94				
2-Chlorophenol	21.2	5.00	"	50.0		42.5	16-99				
4-Chlorophenyl phenyl ether	32.3	5.00	"	50.0		64.6	26-113				
Chrysene	30.1	5.00	"	50.0		60.2	26-112				
Dibenzo(a,h)anthracene	19.6	5.00	"	50.0		39.3	12-104				
Dibenzofuran	33.9	5.00	"	50.0		67.8	36-96				
Di-n-butyl phthalate	29.8	5.00	"	50.0		59.6	20-119				
3,3'-Dichlorobenzidine	39.4	5.00	"	50.0		78.8	25-154				
2,4-Dichlorophenol	30.6	5.00	"	50.0		61.3	28-97				
Diethyl phthalate	33.6	5.00	"	50.0		67.3	34-104				
2,4-Dimethylphenol	25.0	5.00	"	50.0		50.1	23-94				
Dimethyl phthalate	34.1	5.00	"	50.0		68.2	33-104				
4,6-Dinitro-2-methylphenol	8.85	5.00	"	50.0		17.7	10-133				
2,4-Dinitrophenol	9.08	5.00	"	50.0		18.2	10-145				
2,4-Dinitrotoluene	35.9	5.00	"	50.0		71.7	32-104				
2,6-Dinitrotoluene	34.8	5.00	"	50.0		69.6	34-105				
Di-n-octyl phthalate	52.0	5.00	"	50.0		104	10-144				
Bis(2-ethylhexyl)phthalate	29.6	5.00	"	50.0		59.2	10-171				
Fluoranthene	33.8	5.00	"	50.0		67.5	27-110				
Fluorene	30.8	5.00	"	50.0		61.6	32-107				
Hexachlorobenzene	27.7	5.00	"	50.0		55.4	16-127				
Hexachlorobutadiene	31.1	5.00	"	50.0		62.2	22-95				
Hexachlorocyclopentadiene	ND	5.00	"	50.0			10-101	Low Bias			
Hexachloroethane	18.3	5.00	"	50.0		36.6	10-99				
Indeno(1,2,3-cd)pyrene	19.9	5.00	"	50.0		39.8	10-107				
Isophorone	27.7	5.00	"	50.0		55.4	19-119				
2-Methylnaphthalene	31.3	5.00	"	50.0		62.6	27-97				
2-Methylphenol	15.0	5.00	"	50.0		30.0	10-88				
3- & 4-Methylphenols	14.1	5.00	"	50.0		28.3	10-71				
Naphthalene	26.7	5.00	"	50.0		53.4	27-95				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BB40969 - EPA 3510C

LCS (BB40969-BS1)

Prepared: 02/26/2014 Analyzed: 02/27/2014

3-Nitroaniline	33.8	5.00	ug/L	50.0		67.7	10-221				
4-Nitroaniline	36.5	5.00	"	50.0		73.0	10-139				
2-Nitroaniline	32.4	5.00	"	50.0		64.9	33-106				
Nitrobenzene	27.0	5.00	"	50.0		53.9	16-114				
4-Nitrophenol	32.2	5.00	"	50.0		64.5	10-55	High Bias			
2-Nitrophenol	28.2	5.00	"	50.0		56.5	24-101				
N-nitroso-di-n-propylamine	25.9	5.00	"	50.0		51.8	14-133				
N-Nitrosodiphenylamine	37.2	5.00	"	50.0		74.4	39-123				
Pentachlorophenol	33.7	5.00	"	50.0		67.4	15-150				
Phenanthrene	31.2	5.00	"	50.0		62.4	26-109				
Phenol	6.24	5.00	"	50.0		12.5	10-57				
Pyrene	37.4	5.00	"	50.0		74.8	23-126				
1,2,4,5-Tetrachlorobenzene	30.5	5.00	"	50.0		61.0	40-140				
2,4,6-Trichlorophenol	35.2	5.00	"	50.0		70.4	34-100				
2,4,5-Trichlorophenol	35.5	5.00	"	50.0		71.1	30-102				
Surrogate: 2-Fluorophenol	14.6		"	75.6		19.3	10-52				
Surrogate: Phenol-d5	10.2		"	75.5		13.5	10-117				
Surrogate: Nitrobenzene-d5	30.7		"	51.0		60.2	12-112				
Surrogate: 2-Fluorobiphenyl	33.1		"	50.8		65.2	14-101				
Surrogate: 2,4,6-Tribromophenol	72.7		"	74.4		97.7	17-127				
Surrogate: Terphenyl-d14	44.8		"	50.7		88.3	10-151				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
14B0560-01	RSB-10/7.5-9.5	40mL 01_Clear Vial Cool to 4° C
14B0560-01	RSB-10/7.5-9.5	40mL Vial with Stir Bar-Cool 4° C
14B0560-02	RSB-10/17.5-19.5	40mL Vial with Stir Bar-Cool 4° C
14B0560-03	RSB-11/7.5-9.5	40mL Vial with Stir Bar-Cool 4° C
14B0560-04	RSB-11/17.5-19.5	40mL 01_Clear Vial Cool to 4° C
14B0560-04	RSB-11/17.5-19.5	40mL Vial with Stir Bar-Cool 4° C
14B0560-05	RSB-1/10-12	40mL 01_Clear Vial Cool to 4° C
14B0560-05	RSB-1/10-12	40mL Vial with Stir Bar-Cool 4° C
14B0560-06	RSB-1/20-22	40mL Vial with Stir Bar-Cool 4° C
14B0560-06	RSB-1/20-22	40mL Vial with Stir Bar-Cool 4° C
14B0560-07	DUP022014	40mL Vial with Stir Bar-Cool 4° C
14B0560-07	DUP022014	40mL Vial with Stir Bar-Cool 4° C
14B0560-08	FB022014	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14B0560-08	FB022014	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14B0560-09	RSB-3/8-10	40mL Vial with Stir Bar-Cool 4° C
14B0560-09	RSB-3/8-10	40mL Vial with Stir Bar-Cool 4° C
14B0560-10	RSB-3/18-20	40mL Vial with Stir Bar-Cool 4° C
14B0560-10	RSB-3/18-20	40mL Vial with Stir Bar-Cool 4° C
14B0560-11	TripBlank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
GC-20	Pattern is similar to Motor Oil
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.
ND	Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
MDL	METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis



Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the MDL, with values between the MDL and the RL being "J" flagged as estimated results.

Field Chain-of-Custody Record

Page 1 of 2

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested. signature binds you to York's Std. Terms & Conditions.

York Project No. 14B0560

YOUR Information		Report To:		Invoice To:		YOUR Project ID		Turn-Around Time		Report Type	
Company: <u>Roux</u>	Company: <u>Soul</u>	Company: <u>Soul</u>		Company: <u>Soul</u>		157500024		RUSH - Same Day		Summary Report	
Address: <u>Islandia</u>	Address: <u>Soul</u>	Address: <u>Soul</u>		Address: <u>Soul</u>		Purchase Order No.		RUSH - Next Day		Summary w/ QA Summary	
Phone No. <u>631-232-2600</u>	Phone No. <u>Soul</u>	Phone No. <u>Soul</u>		Phone No. <u>Soul</u>				RUSH - Two Day		CTRCP DQA/DUE Pkg	
Contact Person: <u>wendy + 0110</u>	Attention: <u>Soul</u>	Attention: <u>Soul</u>		Attention: <u>Soul</u>				RUSH - Three Day		NY ASP A Package	
E-Mail Address: <u>wendy + 0110</u>	E-Mail Address: <u>Soul</u>	E-Mail Address: <u>Soul</u>		E-Mail Address: <u>Soul</u>				RUSH - Four Day		NY ASP B Package	
								Standard (5-7 Days)		NUDEP Red. Deliv.	
								Electronic Data Deliverables (EDD)		Simple Excel	
								Misc. Org.		NYSDEC EQULS	
								Full Lists		EQULS (std)	
								Misc.		EZ-EDD (EQULS)	
								Corrosivity		NUDEP SRP HazSite EDD	
								Reactivity		GIS/KEY (std)	
								Ignitability		Other	
								Flash Point		York Regulatory Comparison	
								Sieve Anal.		Excel Spreadsheet	
								Electrotophys		Compare to the following Regs. (please fill in):	
								TOX			
								BTU/lb.			
								Aquatic Tox.			
								TOC			
								Asbestos			
								Silica			

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
RSB-10/7.5-9.5	2/20/14 - 940	S	TCC VOC + TIE; TCC SVOC + TIE	
RSB-10/7.5-19.5	950	S	" "	
RSB-11/7.5-9.5	1040	S	" "	
RSB-11/7.5-19.5	1100	S	" "	
RSB-1/10-12	1340	S	" "	
RSB-1/20-22	1350	S	" "	
DUPO22014	-1200	S	" "	
FB022014	-1300	W	" "	
RSB-3/8-10	-1540	S	" "	
RSB-3/18-20	-1600	S	" "	

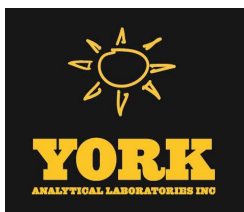
Comments	Relinquished By	Date/Time	Relinquished By	Date/Time	Temperature on Receipt
MS/mso022014	Roux	2/21/14 12pm	K. Baker	2/21/14 12pm	3.6 °C
Collected From					
RSB-11/7.5-19.5					

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 19B0567

[illegible][illegible]



Technical Report

prepared for:

Roux Associates
209 Shafter St
Islandia NY, 11749
Attention: Wendy Monterosso

Report Date: 09/18/2014
Client Project ID: 1575.00024
York Project (SDG) No.: 14I0505

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/18/2014
Client Project ID: 1575.00024
York Project (SDG) No.: 14I0505

Roux Associates
209 Shafter St
Islandia NY, 11749
Attention: Wendy Monterosso

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 11, 2014 and listed below. The project was identified as your project: **1575.00024**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
14I0505-01	RSB/MW-15/4-5	Soil	09/10/2014	09/11/2014
14I0505-02	RSB/MW-15/10-11	Soil	09/10/2014	09/11/2014
14I0505-03	RSB/MW-15/14-15	Soil	09/10/2014	09/11/2014
14I0505-04	RSB/MW-14/12-14	Soil	09/10/2014	09/11/2014
14I0505-05	RSB/MW-14/17-18	Soil	09/10/2014	09/11/2014
14I0505-06	FB091014	Water	09/10/2014	09/11/2014
14I0505-07	TB091014	Water	09/10/2014	09/11/2014
14I0505-08	DUP091014	Soil	09/10/2014	09/11/2014
14I0505-09	RSB/MW-17/1-3	Soil	09/10/2014	09/11/2014
14I0505-10	RSB/MW-17/13-15	Soil	09/10/2014	09/11/2014
14I0505-11	RSB/MW-17/17-18	Soil	09/10/2014	09/11/2014
14I0505-12	MW-5	Oil	09/10/2014	09/11/2014

General Notes for York Project (SDG) No.: 14I0505

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 09/18/2014





Sample Information

Client Sample ID: RSB/MW-15/4-5

York Sample ID: 14I0505-01

York Project (SDG) No.

14I0505

Client Project ID

1575.00024

Matrix

Soil

Collection Date/Time

September 10, 2014 8:20 am

Date Received

09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	44	Cal-E, CCV-E, B	ug/kg dry	2.3	9.2	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	46	92	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS



Sample Information

Client Sample ID: RSB/MW-15/4-5

York Sample ID: 14I0505-01

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 8:20 am

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.3	9.2	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.6	9.2	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	6.9	14	1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	98.7 %	75-127								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %	67-130								
2037-26-5	Surrogate: Toluene-d8	94.4 %	90-112								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 03:14	SS



Sample Information

Client Sample ID: RSB/MW-15/4-5

York Sample ID: 14I0505-01

York Project (SDG) No.
14I0505

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1575.00024

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September 10, 2014 8:20 am

Date Received
09/11/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
98-86-2	Acetophenone	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
120-12-7	Anthracene	291	J	ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
1912-24-9	Atrazine	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
56-55-3	Benzo(a)anthracene	705	J	ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
50-32-8	Benzo(a)pyrene	272	J	ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
205-99-2	Benzo(b)fluoranthene	266	J	ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
191-24-2	Benzo(g,h,i)perylene	ND	ISTD-L O	ug/kg dry	448	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
207-08-9	Benzo(k)fluoranthene	334	J	ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
105-60-2	Caprolactam	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
86-74-8	Carbazole	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	448	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	448	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
218-01-9	Chrysene	787	J	ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
53-70-3	Dibenzo(a,h)anthracene	ND	ISTD-L O	ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	890	1770	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	448	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	448	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR



Sample Information

Client Sample ID: RSB/MW-15/4-5

York Sample ID: 14I0505-01

York Project (SDG) No.

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September 10, 2014 8:20 am

Date Received

09/11/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	890	1780	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	448	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
206-44-0	Fluoranthene	1800		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
86-73-7	Fluorene	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	448	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ISTD-L O	ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
78-59-1	Isophorone	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	448	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	448	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
91-20-3	Naphthalene	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	448	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	448	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	448	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	448	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
85-01-8	Phenanthrene	1280		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
108-95-2	Phenol	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
129-00-0	Pyrene	1510		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	448	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	224	888	5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	78.7 %	10-105								
4165-62-2	Surrogate: Phenol-d5	92.5 %	10-118								
4165-60-0	Surrogate: Nitrobenzene-d5	80.9 %	10-140								



Sample Information

Client Sample ID: RSB/MW-15/4-5

York Sample ID: 14I0505-01

York Project (SDG) No.
14I0505

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September 10, 2014 8:20 am

Date Received
09/11/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: 2-Fluorobiphenyl	90.9 %			10-126						
118-79-6	Surrogate: 2,4,6-Tribromophenol	66.4 %			10-150						
1718-51-0	Surrogate: Terphenyl-d14	87.5 %			10-137						

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/kg dry			5	EPA 8270D	09/16/2014 07:49	09/16/2014 22:50	SR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.8		%	0.100	0.100	1	SM 2540G	09/18/2014 09:01	09/18/2014 17:31	PAM

Sample Information

Client Sample ID: RSB/MW-15/10-11

York Sample ID: 14I0505-02

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 8:32 am

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/kg dry	240	960	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
71-43-2	Benzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
75-25-2	Bromoform	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
74-83-9	Bromomethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
78-93-3	2-Butanone	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
75-00-3	Chloroethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS



Sample Information

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Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
74-87-3	Chloromethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
110-82-7	Cyclohexane	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
156-59-2	cis-1,2-Dichloroethylene	2300		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	4800	9600	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
100-41-4	Ethyl Benzene	5700		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
591-78-6	2-Hexanone	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
98-82-8	Isopropylbenzene	450	J	ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
79-20-9	Methyl acetate	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
108-87-2	Methylcyclohexane	1000		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
75-09-2	Methylene chloride	ND		ug/kg dry	240	960	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
100-42-5	Styrene	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
108-88-3	Toluene	100000		ug/kg dry	1200	2400	500	EPA 8260C	09/17/2014 16:30	09/18/2014 16:28	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS



Sample Information

Client Sample ID: RSB/MW-15/10-11

York Sample ID: 14I0505-02

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

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Collection Date/Time
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Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
95-47-6	o-Xylene	6400		ug/kg dry	240	480	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
179601-23-1	p- & m- Xylenes	21000		ug/kg dry	480	960	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
1330-20-7	Xylenes, Total	28000		ug/kg dry	720	1400	100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
Surrogate Recoveries		Result		Acceptance Range							
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	98.0 %		75-127							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	86.3 %		67-130							
2037-26-5	Surrogate: Toluene-d8	103 %		90-112							

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	dihydro methyl indene isomers	3100	J	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
NA	Ethyl Dimethyl Benzene isomer	1900	J	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
NA	ethyl methyl Benzene isomers	7200	J	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
NA	methyl (methylethyl) benzene isomers	2200	J	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
NA	propenyl benzene isomer	3200	J	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
NA	Tetramethyl Benzene isomer	1800	J	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
NA	trimethyl Hexane isomer	4300	J	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
NA	Trimethyl pentane isomers	5500	J	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS
NA	trimethylbenzene isomer	1900	J	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 03:43	SS

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
98-86-2	Acetophenone	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
120-12-7	Anthracene	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
1912-24-9	Atrazine	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
50-32-8	Benzo(a)pyrene	ND	ISTD-L O	ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR



Sample Information

Client Sample ID: RSB/MW-15/10-11

York Sample ID: 14I0505-02

York Project (SDG) No.
14I0505

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Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND	ISTD-L O	ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
191-24-2	Benzo(g,h,i)perylene	ND	ISTD-L O	ug/kg dry	449	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
207-08-9	Benzo(k)fluoranthene	ND	ISTD-L O	ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
105-60-2	Caprolactam	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
86-74-8	Carbazole	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	449	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	449	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
218-01-9	Chrysene	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
53-70-3	Dibenzo(a,h)anthracene	ND	ISTD-L O	ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	892	1780	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	449	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	449	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	892	1780	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	449	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
117-84-0	Di-n-octyl phthalate	ND	ISTD-L O	ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
206-44-0	Fluoranthene	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
86-73-7	Fluorene	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR



Sample Information

Client Sample ID: RSB/MW-15/10-11

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09/11/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-74-1	Hexachlorobenzene	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	449	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ISTD-L O	ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
78-59-1	Isophorone	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
91-57-6	2-Methylnaphthalene	1500		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	449	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	449	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
91-20-3	Naphthalene	1040		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	449	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	449	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	449	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	449	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
85-01-8	Phenanthrene	372	J	ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
108-95-2	Phenol	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
129-00-0	Pyrene	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	449	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	224	890	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR

Surrogate Recoveries		Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	35.4 %	10-105
4165-62-2	Surrogate: Phenol-d5	47.9 %	10-118
4165-60-0	Surrogate: Nitrobenzene-d5	48.7 %	10-140
321-60-8	Surrogate: 2-Fluorobiphenyl	57.5 %	10-126
118-79-6	Surrogate: 2,4,6-Tribromophenol	46.8 %	10-150
1718-51-0	Surrogate: Terphenyl-d14	36.9 %	10-137

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: RSB/MW-15/10-11

York Sample ID: 14I0505-02

York Project (SDG) No.

14I0505

Client Project ID

1575.00024

Matrix

Soil

Collection Date/Time

September 10, 2014 8:32 am

Date Received

09/11/2014

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/kg dry			5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:20	SR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.6		%	0.100	0.100	1	SM 2540G	09/18/2014 09:01	09/18/2014 17:31	PAM

Sample Information

Client Sample ID: RSB/MW-15/14-15

York Sample ID: 14I0505-03

York Project (SDG) No.

14I0505

Client Project ID

1575.00024

Matrix

Soil

Collection Date/Time

September 10, 2014 8:35 am

Date Received

09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	12	Cal-E, CCV-E, B	ug/kg dry	2.3	9.4	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS



Sample Information

Client Sample ID: RSB/MW-15/14-15

York Sample ID: 14I0505-03

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 8:35 am

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	47	94	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
591-78-6	2-Hexanone	2.4	CCV-E, J	ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.3	9.4	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
108-88-3	Toluene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.3	4.7	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS



Sample Information

Client Sample ID: RSB/MW-15/14-15

York Sample ID: 14I0505-03

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 8:35 am

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.7	9.4	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.0	14	1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
Surrogate Recoveries		Result		Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	93.9 %		75-127							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.3 %		67-130							
2037-26-5	Surrogate: Toluene-d8	98.8 %		90-112							

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	dimethyl Naphthalene isomer	6.2	J	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS
NA	Unknown c14 hydrocarbon	22	J	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 04:12	SS

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
98-86-2	Acetophenone	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
120-12-7	Anthracene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
1912-24-9	Atrazine	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	99.2	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
105-60-2	Caprolactam	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
86-74-8	Carbazole	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	99.2	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	99.2	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR



Sample Information

Client Sample ID: RSB/MW-15/14-15

York Sample ID: 14I0505-03

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 8:35 am

Date Received
09/11/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
218-01-9	Chrysene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	197	393	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	99.2	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	99.2	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	197	394	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
121-14-2	2,4-Dinitrotoluene	440		ug/kg dry	99.2	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
206-44-0	Fluoranthene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
86-73-7	Fluorene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	99.2	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
78-59-1	Isophorone	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	99.2	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	99.2	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
91-20-3	Naphthalene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	99.2	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	99.2	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR



Sample Information

Client Sample ID: RSB/MW-15/14-15

York Sample ID: 14I0505-03

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 8:35 am

Date Received
09/11/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-02-7	4-Nitrophenol	ND		ug/kg dry	99.2	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	99.2	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
85-01-8	Phenanthrene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
108-95-2	Phenol	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
129-00-0	Pyrene	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	99.2	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	49.6	197	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	77.8 %		10-105							
4165-62-2	Surrogate: Phenol-d5	82.7 %		10-118							
4165-60-0	Surrogate: Nitrobenzene-d5	67.0 %		10-140							
321-60-8	Surrogate: 2-Fluorobiphenyl	70.9 %		10-126							
118-79-6	Surrogate: 2,4,6-Tribromophenol	79.1 %		10-150							
1718-51-0	Surrogate: Terphenyl-d14	83.4 %		10-137							

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/kg dry			1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:16	SR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	84.7		%	0.100	0.100	1	SM 2540G	09/18/2014 09:01	09/18/2014 17:31	PAM

Sample Information

Client Sample ID: RSB/MW-14/12-14

York Sample ID: 14I0505-04

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 9:25 am

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: RSB/MW-14/12-14

York Sample ID: 14I0505-04

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 9:25 am

Date Received
09/11/2014

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	4400	B, Cal-E, CCV-E	ug/kg dry	220	870	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
71-43-2	Benzene	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
74-97-5	Bromochloromethane	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
75-27-4	Bromodichloromethane	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
75-25-2	Bromoform	ND	B	ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
74-83-9	Bromomethane	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
78-93-3	2-Butanone	450		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
75-15-0	Carbon disulfide	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
56-23-5	Carbon tetrachloride	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
108-90-7	Chlorobenzene	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
75-00-3	Chloroethane	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
67-66-3	Chloroform	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
74-87-3	Chloromethane	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
110-82-7	Cyclohexane	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
124-48-1	Dibromochloromethane	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
123-91-1	1,4-Dioxane	ND		ug/kg dry	4300	8700	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
100-41-4	Ethyl Benzene	1200		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
591-78-6	2-Hexanone	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
98-82-8	Isopropylbenzene	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
79-20-9	Methyl acetate	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK



Sample Information

Client Sample ID: RSB/MW-14/12-14

York Sample ID: 14I0505-04

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 9:25 am

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
75-09-2	Methylene chloride	ND		ug/kg dry	220	870	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
100-42-5	Styrene	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
127-18-4	Tetrachloroethylene	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
108-88-3	Toluene	930		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
79-01-6	Trichloroethylene	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
75-01-4	Vinyl Chloride	ND		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
95-47-6	o-Xylene	1200		ug/kg dry	220	430	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
179601-23-1	p- & m- Xylenes	4700		ug/kg dry	430	870	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
1330-20-7	Xylenes, Total	5800		ug/kg dry	650	1300	100	EPA 8260C	09/18/2014 08:25	09/18/2014 11:25	BK
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	101 %	75-127								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	112 %	67-130								
2037-26-5	Surrogate: Toluene-d8	98.0 %	90-112								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
527-53-7	1,2,4,5-Tetramethylbenzene	3300	JN	ug/kg dry			200	EPA 8260C	09/18/2014 04:41	09/18/2014 04:41	SS
95-63-6	1,2,4-Trimethylbenzene	11000	JN	ug/kg dry			200	EPA 8260C	09/18/2014 04:41	09/18/2014 04:41	SS
108-67-8	1,3,5-Trimethylbenzene	3200	JN	ug/kg dry			200	EPA 8260C	09/18/2014 04:41	09/18/2014 04:41	SS
NA	Diethyl Benzene isomer	7700	J	ug/kg dry			200	EPA 8260C	09/18/2014 04:41	09/18/2014 04:41	SS
NA	dihydro methyl indene isomer	2600	J	ug/kg dry			200	EPA 8260C	09/18/2014 04:41	09/18/2014 04:41	SS
NA	ethenyl ethyl benzene isomer	2200	J	ug/kg dry			200	EPA 8260C	09/18/2014 04:41	09/18/2014 04:41	SS
NA	Ethyl Dimethyl Benzene isomers	5500	J	ug/kg dry			200	EPA 8260C	09/18/2014 04:41	09/18/2014 04:41	SS
NA	ethyl methyl Benzene isomers	15000	J	ug/kg dry			200	EPA 8260C	09/18/2014 04:41	09/18/2014 04:41	SS
NA	Methyl (methylethyl) benzene isomer	5400	J	ug/kg dry			200	EPA 8260C	09/18/2014 04:41	09/18/2014 04:41	SS
NA	methyl (propenyl) benzene isomer	5300	J	ug/kg dry			200	EPA 8260C	09/18/2014 04:41	09/18/2014 04:41	SS



Sample Information

Client Sample ID: RSB/MW-14/12-14

York Sample ID: 14I0505-04

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

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Collection Date/Time
September 10, 2014 9:25 am

Date Received
09/11/2014

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	methyl propyl benzene isomer	6900	J	ug/kg dry			200	EPA 8260C	09/18/2014 04:41	09/18/2014 04:41	SS
91-20-3	Naphthalene	5500	JN	ug/kg dry			200	EPA 8260C	09/18/2014 04:41	09/18/2014 04:41	SS
103-65-1	n-Propylbenzene	1300	JN	ug/kg dry			200	EPA 8260C	09/18/2014 04:41	09/18/2014 04:41	SS
NA	Tetramethyl Benzene isomer	4200	J	ug/kg dry			200	EPA 8260C	09/18/2014 04:41	09/18/2014 04:41	SS
NA	Trimethyl Benzene isomer	4400	J	ug/kg dry			200	EPA 8260C	09/18/2014 04:41	09/18/2014 04:41	SS
NA	Trimethyl pentane isomers	6900	J	ug/kg dry			200	EPA 8260C	09/18/2014 04:41	09/18/2014 04:41	SS

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
98-86-2	Acetophenone	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
120-12-7	Anthracene	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
1912-24-9	Atrazine	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
50-32-8	Benzo(a)pyrene	ND	ISTD-L O	ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
205-99-2	Benzo(b)fluoranthene	ND	ISTD-L O	ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
191-24-2	Benzo(g,h,i)perylene	ND	ISTD-L O	ug/kg dry	93.7	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
207-08-9	Benzo(k)fluoranthene	ND	ISTD-L O	ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
85-68-7	Benzyl butyl phthalate	48.7	J	ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
105-60-2	Caprolactam	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
86-74-8	Carbazole	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	93.7	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	93.7	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR



Sample Information

Client Sample ID: RSB/MW-14/12-14

York Sample ID: 14I0505-04

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 9:25 am

Date Received
09/11/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
218-01-9	Chrysene	ND	ISTD-L O	ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
53-70-3	Dibenzo(a,h)anthracene	ND	ISTD-L O	ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	186	372	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	93.7	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	93.7	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	186	372	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	93.7	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
117-84-0	Di-n-octyl phthalate	ND	ISTD-L O	ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
117-81-7	Bis(2-ethylhexyl)phthalate	260		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
206-44-0	Fluoranthene	52.1	J	ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
86-73-7	Fluorene	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	93.7	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ISTD-L O	ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
78-59-1	Isophorone	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
91-57-6	2-Methylnaphthalene	497		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	93.7	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	93.7	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
91-20-3	Naphthalene	218		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	93.7	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	93.7	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	93.7	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR



Sample Information

Client Sample ID: RSB/MW-14/12-14

York Sample ID: 14I0505-04

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 9:25 am

Date Received
09/11/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	93.7	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
85-01-8	Phenanthrene	123	J	ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
108-95-2	Phenol	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
129-00-0	Pyrene	84.1	J	ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	93.7	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.9	186	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	64.9 %		10-105							
4165-62-2	Surrogate: Phenol-d5	69.7 %		10-118							
4165-60-0	Surrogate: Nitrobenzene-d5	63.6 %		10-140							
321-60-8	Surrogate: 2-Fluorobiphenyl	70.5 %		10-126							
118-79-6	Surrogate: 2,4,6-Tribromophenol	71.6 %		10-150							
1718-51-0	Surrogate: Terphenyl-d14	41.6 %		10-137							

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/kg dry			1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:17	SR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.6		%	0.100	0.100	1	SM 2540G	09/18/2014 09:01	09/18/2014 17:31	PAM

Sample Information

Client Sample ID: RSB/MW-14/17-18

York Sample ID: 14I0505-05

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 9:35 am

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: RSB/MW-14/17-18

York Sample ID: 14I0505-05

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 9:35 am

Date Received
09/11/2014

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/kg dry	2.1	8.5	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
71-43-2	Benzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
75-25-2	Bromoform	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
67-66-3	Chloroform	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
156-59-2	cis-1,2-Dichloroethylene	3.7	J	ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	43	85	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
100-41-4	Ethyl Benzene	24		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
98-82-8	Isopropylbenzene	2.9	J	ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
79-20-9	Methyl acetate	4.9		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
108-87-2	Methylcyclohexane	5.6		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.1	8.5	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS



Sample Information

Client Sample ID: RSB/MW-14/17-18

York Sample ID: 14I0505-05

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 9:35 am

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
100-42-5	Styrene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
108-88-3	Toluene	23		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
95-47-6	o-Xylene	27		ug/kg dry	2.1	4.3	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
179601-23-1	p- & m- Xylenes	89		ug/kg dry	4.3	8.5	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
1330-20-7	Xylenes, Total	120		ug/kg dry	6.4	13	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	103 %	75-127								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	87.8 %	67-130								
2037-26-5	Surrogate: Toluene-d8	95.4 %	90-112								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
527-53-7	1,2,4,5-Tetramethylbenzene	12	JN	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
95-63-6	1,2,4-Trimethylbenzene	79	JN	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
108-67-8	1,3,5-Trimethylbenzene	25	JN	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
NA	dihydro methyl indene isomer	14	J	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
NA	dimethyl Heptane isomer	10	J	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
NA	Dimethyl Pentane isomer	13	J	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
NA	Ethyl Dimethyl Benzene isomer	15	J	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
NA	Ethyl Methyl Benzene isomer	60	J	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
NA	ethyl methyl Benzene isomers	0.0	J	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
91-20-3	Naphthalene	28	JN	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
103-65-1	n-Propylbenzene	12	JN	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
NA	propenyl benzene isomer	24	J	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
NA	Tetramethyl Benzene isomer	13	J	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS



Sample Information

Client Sample ID: RSB/MW-14/17-18

York Sample ID: 14I0505-05

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 9:35 am

Date Received
09/11/2014

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	Trimethyl Benzene isomer	18	J	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
NA	trimethyl Hexane isomer	10	J	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS
NA	Trimethyl pentane isomers	66	J	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:09	SS

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
98-86-2	Acetophenone	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
120-12-7	Anthracene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
1912-24-9	Atrazine	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	95.3	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
105-60-2	Caprolactam	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
86-74-8	Carbazole	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	95.3	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	95.3	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
218-01-9	Chrysene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR



Sample Information

Client Sample ID: RSB/MW-14/17-18

York Sample ID: 14I0505-05

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 9:35 am

Date Received
09/11/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	189	378	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	95.3	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	95.3	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	189	378	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	95.3	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
206-44-0	Fluoranthene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
86-73-7	Fluorene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	95.3	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
78-59-1	Isophorone	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	95.3	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	95.3	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
91-20-3	Naphthalene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	95.3	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	95.3	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	95.3	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	95.3	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
85-01-8	Phenanthrene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
108-95-2	Phenol	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
129-00-0	Pyrene	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	95.3	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR



Sample Information

Client Sample ID: RSB/MW-14/17-18

York Sample ID: 14I0505-05

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 9:35 am

Date Received
09/11/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	47.7	189	1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	75.0 %		10-105							
4165-62-2	Surrogate: Phenol-d5	78.4 %		10-118							
4165-60-0	Surrogate: Nitrobenzene-d5	71.7 %		10-140							
321-60-8	Surrogate: 2-Fluorobiphenyl	73.5 %		10-126							
118-79-6	Surrogate: 2,4,6-Tribromophenol	74.0 %		10-150							
1718-51-0	Surrogate: Terphenyl-d14	75.7 %		10-137							

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/kg dry			1	EPA 8270D	09/16/2014 07:49	09/16/2014 20:47	SR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.1		%	0.100	0.100	1	SM 2540G	09/18/2014 09:02	09/18/2014 17:39	PAM

Sample Information

Client Sample ID: FB091014

York Sample ID: 14I0505-06

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Water

Collection Date/Time
September 10, 2014 12:00 pm

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM (low level)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS



Sample Information

Client Sample ID: FB091014

York Sample ID: 14I0505-06

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Water

Collection Date/Time
September 10, 2014 12:00 pm

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM (low level)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
78-93-3	2-Butanone	ND		ug/L	0.50	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
591-78-6	2-Hexanone	2.7	CCV-E, B, J	ug/L	0.20	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
67-64-1	Acetone	1.8	Cal-E, CCV-E, J, B	ug/L	1.0	10	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS



Sample Information

Client Sample ID: FB091014

York Sample ID: 14I0505-06

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Water

Collection Date/Time
September 10, 2014 12:00 pm

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM (low level)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
75-09-2	Methylene chloride	2.4	B, J	ug/L	1.0	10	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
108-88-3	Toluene	1.0	J	ug/L	0.20	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.8 %	81-123								
2037-26-5	Surrogate: Toluene-d8	97.5 %	88-114								
460-00-4	Surrogate: p-Bromofluorobenzene	94.3 %	70-128								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	cyclotetrasiloxane isomer	6.2	J	ug/L			1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:34	SS

Semi-Volatiles, 8270 - TCL/SOM - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0606	0.0606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
98-86-2	Acetophenone	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
120-12-7	Anthracene	ND		ug/L	0.0606	0.0606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
1912-24-9	Atrazine	ND		ug/L	0.606	0.606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
100-52-7	Benzaldehyde	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0606	0.0606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0606	0.0606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0606	0.0606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH



Sample Information

Client Sample ID: FB091014

York Sample ID: 14I0505-06

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Water

Collection Date/Time
September 10, 2014 12:00 pm

Date Received
09/11/2014

Semi-Volatiles, 8270 - TCL/SOM - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
92-52-4	1,1'-Biphenyl	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
105-60-2	Caprolactam	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
86-74-8	Carbazole	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
106-47-8	4-Chloroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
95-57-8	2-Chlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
218-01-9	Chrysene	ND		ug/L	0.0606	0.0606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0606	0.0606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
132-64-9	Dibenzofuran	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
91-94-1	3,3'-Dichlorobenzidine	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
84-66-2	Diethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
131-11-3	Dimethyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
117-81-7	Bis(2-ethylhexyl)phthalate	69.6		ug/L	3.03	3.03	5	EPA 8270D	09/16/2014 08:13	09/17/2014 16:57	KH
206-44-0	Fluoranthene	ND		ug/L	0.0606	0.0606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
86-73-7	Fluorene	ND		ug/L	0.0606	0.0606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0242	0.0242	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.606	0.606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
67-72-1	Hexachloroethane	ND		ug/L	0.606	0.606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0606	0.0606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH



Sample Information

Client Sample ID: FB091014

York Sample ID: 14I0505-06

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Water

Collection Date/Time
September 10, 2014 12:00 pm

Date Received
09/11/2014

Semi-Volatiles, 8270 - TCL/SOM - Low Level

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-59-1	Isophorone	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
95-48-7	2-Methylphenol	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
91-20-3	Naphthalene	ND		ug/L	0.0606	0.0606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
99-09-2	3-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
100-01-6	4-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
88-74-4	2-Nitroaniline	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
98-95-3	Nitrobenzene	ND		ug/L	0.303	0.303	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
100-02-7	4-Nitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
88-75-5	2-Nitrophenol	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.303	0.303	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
85-01-8	Phenanthrene	ND		ug/L	0.0606	0.0606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
108-95-2	Phenol	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
129-00-0	Pyrene	ND		ug/L	0.0606	0.0606	1	EPA 8270D	09/16/2014 08:13	09/16/2014 22:28	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	3.03	6.06	1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH

Surrogate Recoveries		Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	28.2 %	10-53
4165-62-2	Surrogate: Phenol-d5	18.3 %	10-39
4165-60-0	Surrogate: Nitrobenzene-d5	79.1 %	10-120
321-60-8	Surrogate: 2-Fluorobiphenyl	64.2 %	10-108
118-79-6	Surrogate: 2,4,6-Tribromophenol	66.4 %	10-150
1718-51-0	Surrogate: Terphenyl-d14	74.6 %	10-143

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/L			1	EPA 8270D	09/16/2014 08:13	09/17/2014 00:28	KH



Sample Information

Client Sample ID: TB091014

York Sample ID: 14I0505-07

York Project (SDG) No.

14I0505

Client Project ID

1575.00024

Matrix

Water

Collection Date/Time

September 10, 2014 12:00 am

Date Received

09/11/2014

Volatile Organics, 8260 - TCL/SOM (low level)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
78-93-3	2-Butanone	ND		ug/L	0.50	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
591-78-6	2-Hexanone	2.1	CCV-E, J, B	ug/L	0.20	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
67-64-1	Acetone	2.4	Cal-E, CCV-E, J, B	ug/L	1.0	10	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS



Sample Information

Client Sample ID: TB091014

York Sample ID: 14I0505-07

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Water

Collection Date/Time
September 10, 2014 12:00 am

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM (low level)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
75-09-2	Methylene chloride	1.7	B, J	ug/L	1.0	10	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.50	0.50	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.8 %	81-123								
2037-26-5	Surrogate: Toluene-d8	98.8 %	88-114								
460-00-4	Surrogate: p-Bromofluorobenzene	94.2 %	70-128								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.0		ug/L			1	EPA 8260C	09/17/2014 16:30	09/18/2014 08:02	SS

Sample Information

Client Sample ID: DUP091014

York Sample ID: 14I0505-08

York Project (SDG) No.
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1575.00024

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Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: DUP091014

York Sample ID: 14I0505-08

York Project (SDG) No.

14I0505

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Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	43	Cal-E, CCV-E, B	ug/kg dry	2.4	9.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
71-43-2	Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
75-25-2	Bromoform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
78-93-3	2-Butanone	3.6	J	ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
67-66-3	Chloroform	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	48	96	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS



Sample Information

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Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/kg dry	2.4	9.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
100-42-5	Styrene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
127-18-4	Tetrachloroethylene	3.3	CCV-E, J	ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
108-88-3	Toluene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.4	4.8	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	4.8	9.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.2	14	1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: p-Bromofluorobenzene	122 %	75-127								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.3 %	67-130								
2037-26-5	Surrogate: Toluene-d8	106 %	90-112								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	dimethyl naphthalene isomers	0.0		ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 05:38	SS

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
98-86-2	Acetophenone	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
120-12-7	Anthracene	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
1912-24-9	Atrazine	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR



Sample Information

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Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-52-7	Benzaldehyde	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
56-55-3	Benzo(a)anthracene	752	J	ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
191-24-2	Benzo(g,h,i)perylene	ND	ISTD-L O	ug/kg dry	929	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
105-60-2	Caprolactam	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
86-74-8	Carbazole	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	929	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	929	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
218-01-9	Chrysene	944	J	ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
53-70-3	Dibenzo(a,h)anthracene	ND	ISTD-L O	ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	1850	3680	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	929	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	929	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	1850	3690	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	929	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
206-44-0	Fluoranthene	2160		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR



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Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	929	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ISTD-L O	ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
78-59-1	Isophorone	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	929	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	929	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
91-20-3	Naphthalene	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	929	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	929	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	929	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	929	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
85-01-8	Phenanthrene	1400	J	ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
108-95-2	Phenol	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
129-00-0	Pyrene	1840		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	929	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	465	1840	10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	56.2 %	10-105								
4165-62-2	Surrogate: Phenol-d5	76.2 %	10-118								
4165-60-0	Surrogate: Nitrobenzene-d5	68.3 %	10-140								
321-60-8	Surrogate: 2-Fluorobiphenyl	80.0 %	10-126								
118-79-6	Surrogate: 2,4,6-Tribromophenol	32.6 %	10-150								
1718-51-0	Surrogate: Terphenyl-d14	74.9 %	10-137								

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: DUP091014

York Sample ID: 14I0505-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0505

1575.00024

Soil

September 10, 2014 12:00 pm

09/11/2014

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/kg dry			10	EPA 8270D	09/16/2014 07:49	09/17/2014 00:22	SR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.4		%	0.100	0.100	1	SM 2540G	09/18/2014 09:02	09/18/2014 17:39	PAM

Sample Information

Client Sample ID: RSB/MW-17/1-3

York Sample ID: 14I0505-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0505

1575.00024

Soil

September 10, 2014 12:15 pm

09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	10	Cal-E, CCV-E, B	ug/kg dry	2.3	9.1	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
71-43-2	Benzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
75-25-2	Bromoform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
67-66-3	Chloroform	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS



Sample Information

Client Sample ID: RSB/MW-17/1-3

York Sample ID: 14I0505-09

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 12:15 pm

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
156-59-2	cis-1,2-Dichloroethylene	8.2		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	46	91	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
100-41-4	Ethyl Benzene	11		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
79-20-9	Methyl acetate	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.3	9.1	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
108-10-1	4-Methyl-2-pentanone	2.3	J	ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
100-42-5	Styrene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
108-88-3	Toluene	85		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
95-47-6	o-Xylene	17		ug/kg dry	2.3	4.6	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
179601-23-1	p- & m- Xylenes	39		ug/kg dry	4.6	9.1	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
1330-20-7	Xylenes, Total	56		ug/kg dry	6.9	14	1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: RSB/MW-17/1-3

York Sample ID: 14I0505-09

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 12:15 pm

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	103 %			75-127						
17060-07-0	Surrogate: 1,2-Dichloroethane- <i>d</i> 4	96.7 %			67-130						
2037-26-5	Surrogate: Toluene- <i>d</i> 8	101 %			90-112						

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	28	JN	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
108-67-8	1,3,5-Trimethylbenzene	7.5	JN	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
NA	ethylmethylbenzene isomer	19	J	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
NA	methylbenzene isomer	10	J	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
NA	methylethenyl benzene isomer	11	J	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
NA	methylmethylene benzene isomer	11	J	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS
91-20-3	Naphthalene	6.6	JN	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 06:07	SS

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
98-86-2	Acetophenone	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
120-12-7	Anthracene	410	J	ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
1912-24-9	Atrazine	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
56-55-3	Benzo(a)anthracene	900		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
50-32-8	Benzo(a)pyrene	353	J	ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
205-99-2	Benzo(b)fluoranthene	341	J	ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
191-24-2	Benzo(g,h,i)perylene	ND	ISTD-L O	ug/kg dry	424	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
207-08-9	Benzo(k)fluoranthene	434	J	ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
105-60-2	Caprolactam	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
86-74-8	Carbazole	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	424	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	424	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR



Sample Information

Client Sample ID: RSB/MW-17/1-3

York Sample ID: 14I0505-09

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 12:15 pm

Date Received
09/11/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
218-01-9	Chrysene	1050		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
53-70-3	Dibenzo(a,h)anthracene	ND	ISTD-L O	ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	842	1680	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	424	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	424	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	842	1680	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	424	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
206-44-0	Fluoranthene	2380		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
86-73-7	Fluorene	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	424	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ISTD-L O	ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
78-59-1	Isophorone	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	424	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	424	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
91-20-3	Naphthalene	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	424	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR



Sample Information

Client Sample ID: RSB/MW-17/1-3

York Sample ID: 14I0505-09

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 12:15 pm

Date Received
09/11/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/kg dry	424	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	424	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	424	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
85-01-8	Phenanthrene	1810		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
108-95-2	Phenol	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
129-00-0	Pyrene	2040		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	424	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	212	841	5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	119 %	S-08					10-105			
4165-62-2	Surrogate: Phenol-d5	133 %	S-08					10-118			
4165-60-0	Surrogate: Nitrobenzene-d5	116 %						10-140			
321-60-8	Surrogate: 2-Fluorobiphenyl	116 %						10-126			
118-79-6	Surrogate: 2,4,6-Tribromophenol	89.2 %						10-150			
1718-51-0	Surrogate: Terphenyl-d14	112 %						10-137			

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/kg dry			5	EPA 8270D	09/16/2014 07:49	09/16/2014 23:51	SR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	99.1		%	0.100	0.100	1	SM 2540G	09/18/2014 09:02	09/18/2014 17:39	PAM



Sample Information

Client Sample ID: RSB/MW-17/13-15

York Sample ID: 14I0505-10

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 12:40 pm

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	340	Cal-E, CCV-E, J, B	ug/kg dry	220	890	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
71-43-2	Benzene	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
75-25-2	Bromoform	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
74-83-9	Bromomethane	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
78-93-3	2-Butanone	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
75-00-3	Chloroethane	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
67-66-3	Chloroform	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
74-87-3	Chloromethane	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
110-82-7	Cyclohexane	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
156-59-2	cis-1,2-Dichloroethylene	330	J	ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	4500	8900	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
100-41-4	Ethyl Benzene	2900		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
591-78-6	2-Hexanone	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
98-82-8	Isopropylbenzene	330	J	ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
79-20-9	Methyl acetate	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS



Sample Information

Client Sample ID: RSB/MW-17/13-15

York Sample ID: 14I0505-10

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 12:40 pm

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
108-87-2	Methylcyclohexane	410	J	ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
75-09-2	Methylene chloride	ND		ug/kg dry	220	890	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
100-42-5	Styrene	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
108-88-3	Toluene	27000		ug/kg dry	560	1100	250	EPA 8260C	09/17/2014 16:30	09/18/2014 11:58	BK
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
95-47-6	o-Xylene	3700		ug/kg dry	220	450	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
179601-23-1	p- & m- Xylenes	10000		ug/kg dry	450	890	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
1330-20-7	Xylenes, Total	14000		ug/kg dry	670	1300	100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
Surrogate Recoveries		Result	Acceptance Range								
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	99.4 %	75-127								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	92.5 %	67-130								
2037-26-5	Surrogate: Toluene-d8	104 %	90-112								

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-94-3	1,2,4,5-Tetrachlorobenzene	2000	J	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
95-63-6	1,2,4-Trimethylbenzene	9800	JN	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
108-67-8	1,3,5-Trimethylbenzene	2700	JN	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
NA	dihydromethylindene isomer	2300	J	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
NA	dimethyl hexane isomer	500	J	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
NA	Dimethylheptane isomer	760	J	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
NA	ethylmethylbenzene isomer	1900	J	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
NA	methylmethylene benzene isomer	2200	J	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
91-20-3	Naphthalene	2900	JN	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
104-51-8	n-Butylbenzene	1000	JN	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS



Sample Information

Client Sample ID: RSB/MW-17/13-15

York Sample ID: 14I0505-10

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

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Soil

Collection Date/Time
September 10, 2014 12:40 pm

Date Received
09/11/2014

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	1400	JN	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
NA	propenyl benzene isomer	1000	J	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
NA	Trimethyl Benzene isomer	1000	J	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS
NA	trimethyl Pentane isomer	1200	J	ug/kg dry			100	EPA 8260C	09/17/2014 16:30	09/18/2014 06:36	SS

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
98-86-2	Acetophenone	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
120-12-7	Anthracene	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
1912-24-9	Atrazine	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
50-32-8	Benzo(a)pyrene	ND	ISTD-L O	ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
205-99-2	Benzo(b)fluoranthene	ND	ISTD-L O	ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
191-24-2	Benzo(g,h,i)perylene	ND	ISTD-L O	ug/kg dry	92.2	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
207-08-9	Benzo(k)fluoranthene	ND	ISTD-L O	ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
85-68-7	Benzyl butyl phthalate	79.7	J	ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
105-60-2	Caprolactam	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
86-74-8	Carbazole	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	92.2	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	92.2	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
218-01-9	Chrysene	ND	ISTD-L O	ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR



Sample Information

Client Sample ID: RSB/MW-17/13-15

York Sample ID: 14I0505-10

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 12:40 pm

Date Received
09/11/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	ND	ISTD-L O	ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	183	365	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	92.2	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	92.2	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	183	366	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	92.2	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
117-84-0	Di-n-octyl phthalate	ND	ISTD-L O	ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
117-81-7	Bis(2-ethylhexyl)phthalate	210		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
206-44-0	Fluoranthene	55.6	J	ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
86-73-7	Fluorene	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	92.2	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ISTD-L O	ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
78-59-1	Isophorone	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
91-57-6	2-Methylnaphthalene	364		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	92.2	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	92.2	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
91-20-3	Naphthalene	183		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	92.2	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	92.2	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	92.2	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR



Sample Information

Client Sample ID: RSB/MW-17/13-15

York Sample ID: 14I0505-10

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 12:40 pm

Date Received
09/11/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-86-5	Pentachlorophenol	ND		ug/kg dry	92.2	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
85-01-8	Phenanthrene	137	J	ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
108-95-2	Phenol	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
129-00-0	Pyrene	77.9	J	ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	92.2	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	46.1	183	1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	75.1 %		10-105							
4165-62-2	Surrogate: Phenol-d5	80.3 %		10-118							
4165-60-0	Surrogate: Nitrobenzene-d5	73.1 %		10-140							
321-60-8	Surrogate: 2-Fluorobiphenyl	87.0 %		10-126							
118-79-6	Surrogate: 2,4,6-Tribromophenol	88.0 %		10-150							
1718-51-0	Surrogate: Terphenyl-d14	45.8 %		10-137							

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/kg dry			1	EPA 8270D	09/16/2014 07:49	09/16/2014 22:19	SR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.1		%	0.100	0.100	1	SM 2540G	09/18/2014 09:02	09/18/2014 17:39	PAM

Sample Information

Client Sample ID: RSB/MW-17/17-18

York Sample ID: 14I0505-11

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 1:00 pm

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst



Sample Information

Client Sample ID: RSB/MW-17/17-18

York Sample ID: 14I0505-11

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 1:00 pm

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	9.5	CCV-E, Cal-E, J, B	ug/kg dry	2.5	10	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
71-43-2	Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
74-97-5	Bromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
75-27-4	Bromodichloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
75-25-2	Bromoform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
74-83-9	Bromomethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
78-93-3	2-Butanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
75-15-0	Carbon disulfide	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
56-23-5	Carbon tetrachloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
108-90-7	Chlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
75-00-3	Chloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
67-66-3	Chloroform	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
74-87-3	Chloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
110-82-7	Cyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
124-48-1	Dibromochloromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
123-91-1	1,4-Dioxane	ND		ug/kg dry	50	100	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
100-41-4	Ethyl Benzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
591-78-6	2-Hexanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
98-82-8	Isopropylbenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
79-20-9	Methyl acetate	7.6		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS



Sample Information

Client Sample ID: RSB/MW-17/17-18

York Sample ID: 14I0505-11

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 1:00 pm

Date Received
09/11/2014

Volatile Organics, 8260 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
108-87-2	Methylcyclohexane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
75-09-2	Methylene chloride	ND		ug/kg dry	2.5	10	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
100-42-5	Styrene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
127-18-4	Tetrachloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
108-88-3	Toluene	10		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
79-01-6	Trichloroethylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
75-01-4	Vinyl Chloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
95-47-6	o-Xylene	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	5.0	10	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS
1330-20-7	Xylenes, Total	ND		ug/kg dry	7.5	15	1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS

Surrogate Recoveries

Result

Acceptance Range

460-00-4	Surrogate: p-Bromofluorobenzene	93.8 %	75-127
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	95.5 %	67-130
2037-26-5	Surrogate: Toluene-d8	99.4 %	90-112

Volatile Organics, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
NA	Dimethylnaphthalene isomer	26	J	ug/kg dry			1	EPA 8260C	09/17/2014 16:30	09/18/2014 07:05	SS

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
208-96-8	Acenaphthylene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
98-86-2	Acetophenone	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR



Sample Information

Client Sample ID: RSB/MW-17/17-18

York Sample ID: 14I0505-11

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 1:00 pm

Date Received
09/11/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
1912-24-9	Atrazine	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
100-52-7	Benzaldehyde	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	100	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
92-52-4	1,1'-Biphenyl	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
105-60-2	Caprolactam	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
86-74-8	Carbazole	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	100	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
106-47-8	4-Chloroaniline	ND		ug/kg dry	100	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
95-57-8	2-Chlorophenol	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
218-01-9	Chrysene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
132-64-9	Dibenzofuran	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
91-94-1	3,3'-Dichlorobenzidine	ND		ug/kg dry	199	397	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	100	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
84-66-2	Diethyl phthalate	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
131-11-3	Dimethyl phthalate	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	100	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	199	397	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	100	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR



Sample Information

Client Sample ID: RSB/MW-17/17-18

York Sample ID: 14I0505-11

York Project (SDG) No.
14I0505

Client Project ID
1575.00024

Matrix
Soil

Collection Date/Time
September 10, 2014 1:00 pm

Date Received
09/11/2014

Semi-Volatiles, 8270 - TCL/SOM

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
86-73-7	Fluorene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
118-74-1	Hexachlorobenzene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	100	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
67-72-1	Hexachloroethane	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
78-59-1	Isophorone	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
95-48-7	2-Methylphenol	ND		ug/kg dry	100	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	100	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
91-20-3	Naphthalene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
100-01-6	4-Nitroaniline	ND		ug/kg dry	100	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
88-74-4	2-Nitroaniline	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
99-09-2	3-Nitroaniline	ND		ug/kg dry	100	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
98-95-3	Nitrobenzene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
88-75-5	2-Nitrophenol	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
100-02-7	4-Nitrophenol	ND		ug/kg dry	100	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
87-86-5	Pentachlorophenol	ND		ug/kg dry	100	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
85-01-8	Phenanthrene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
108-95-2	Phenol	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
129-00-0	Pyrene	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	100	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	50.1	199	1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR

Surrogate Recoveries		Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	87.4 %	10-105
4165-62-2	Surrogate: Phenol-d5	94.7 %	10-118
4165-60-0	Surrogate: Nitrobenzene-d5	77.9 %	10-140
321-60-8	Surrogate: 2-Fluorobiphenyl	85.0 %	10-126
118-79-6	Surrogate: 2,4,6-Tribromophenol	92.8 %	10-150
1718-51-0	Surrogate: Terphenyl-d14	96.1 %	10-137

Semi-Volatiles, Tentatively Identified Cmpds.

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: RSB/MW-17/17-18

York Sample ID: 14I0505-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0505

1575.00024

Soil

September 10, 2014 1:00 pm

09/11/2014

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Tentatively Identified Compounds	0.00		ug/kg dry			1	EPA 8270D	09/16/2014 07:49	09/16/2014 21:48	SR

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.9		%	0.100	0.100	1	SM 2540G	09/18/2014 09:02	09/18/2014 17:39	PAM

Sample Information

Client Sample ID: MW-5

York Sample ID: 14I0505-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0505

1575.00024

Oil

September 10, 2014 11:40 am

09/11/2014

Petroleum Identification

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Petroleum Identification	Pattern is similar to Motor Oil		ID only			1	EPA 8015D	09/18/2014 08:42	09/18/2014 16:05	JW



Analytical Batch Summary

Batch ID: BI40724 **Preparation Method:** EPA 3550C **Prepared By:** TB

YORK Sample ID	Client Sample ID	Preparation Date
14I0505-01	RSB/MW-15/4-5	09/16/14
14I0505-02	RSB/MW-15/10-11	09/16/14
14I0505-03	RSB/MW-15/14-15	09/16/14
14I0505-04	RSB/MW-14/12-14	09/16/14
14I0505-05	RSB/MW-14/17-18	09/16/14
14I0505-08	DUP091014	09/16/14
14I0505-09	RSB/MW-17/1-3	09/16/14
14I0505-10	RSB/MW-17/13-15	09/16/14
14I0505-11	RSB/MW-17/17-18	09/16/14
BI40724-BLK1	Blank	09/16/14
BI40724-BS1	LCS	09/16/14
BI40724-MS1	Matrix Spike	09/16/14
BI40724-MSD1	Matrix Spike Dup	09/16/14

Batch ID: BI40731 **Preparation Method:** EPA 3510C **Prepared By:** KAT

YORK Sample ID	Client Sample ID	Preparation Date
14I0505-06	FB091014	09/16/14
BI40731-BLK1	Blank	09/16/14
BI40731-BS1	LCS	09/16/14
BI40731-BS2	LCS	09/16/14
BI40731-BSD1	LCS Dup	09/16/14

Batch ID: BI40885 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14I0505-01	RSB/MW-15/4-5	09/17/14
14I0505-02	RSB/MW-15/10-11	09/17/14
14I0505-03	RSB/MW-15/14-15	09/17/14
14I0505-05	RSB/MW-14/17-18	09/17/14
14I0505-08	DUP091014	09/17/14
14I0505-09	RSB/MW-17/1-3	09/17/14
14I0505-10	RSB/MW-17/13-15	09/17/14
14I0505-11	RSB/MW-17/17-18	09/17/14
BI40885-BLK1	Blank	09/17/14
BI40885-BS1	LCS	09/17/14
BI40885-BSD1	LCS Dup	09/17/14
BI40885-MS1	Matrix Spike	09/17/14
BI40885-MSD1	Matrix Spike Dup	09/17/14

Batch ID: BI40886 **Preparation Method:** EPA 5030B **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date
14I0505-06	FB091014	09/17/14



14I0505-07	TB091014	09/17/14
BI40886-BLK1	Blank	09/17/14
BI40886-BS1	LCS	09/17/14
BI40886-BSD1	LCS Dup	09/17/14

Batch ID: BI40896 **Preparation Method:** Oil Preparation for GC **Prepared By:** JW

YORK Sample ID	Client Sample ID	Preparation Date

14I0505-12	MW-5	09/18/14

Batch ID: BI40903 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date

14I0505-01	RSB/MW-15/4-5	09/18/14
14I0505-02	RSB/MW-15/10-11	09/18/14
14I0505-03	RSB/MW-15/14-15	09/18/14
14I0505-04	RSB/MW-14/12-14	09/18/14
BI40903-DUP1	Duplicate	09/18/14

Batch ID: BI40904 **Preparation Method:** % Solids Prep **Prepared By:** KK

YORK Sample ID	Client Sample ID	Preparation Date

14I0505-05	RSB/MW-14/17-18	09/18/14
14I0505-08	DUP091014	09/18/14
14I0505-09	RSB/MW-17/1-3	09/18/14
14I0505-10	RSB/MW-17/13-15	09/18/14
14I0505-11	RSB/MW-17/17-18	09/18/14

Batch ID: BI40920 **Preparation Method:** EPA 5035A **Prepared By:** BK

YORK Sample ID	Client Sample ID	Preparation Date

14I0505-04	RSB/MW-14/12-14	09/18/14
14I0505-04	RSB/MW-14/12-14	09/18/14
14I0505-10RE1	RSB/MW-17/13-15	09/18/14
BI40920-BLK1	Blank	09/18/14
BI40920-BS1	LCS	09/18/14
BI40920-BSD1	LCS Dup	09/18/14

Batch ID: BI40923 **Preparation Method:** EPA 5035A **Prepared By:** BGS

YORK Sample ID	Client Sample ID	Preparation Date

14I0505-02RE1	RSB/MW-15/10-11	09/18/14
BI40923-BLK1	Blank	09/18/14
BI40923-BS1	LCS	09/18/14
BI40923-BSD1	LCS Dup	09/18/14



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40885 - EPA 5035A

Blank (BI40885-BLK1)

Prepared: 09/17/2014 Analyzed: 09/18/2014

Acetone	11	10	ug/kg wet
Tentatively Identified Compounds	0.0		"
Benzene	ND	5.0	"
Bromochloromethane	ND	5.0	"
Bromodichloromethane	ND	5.0	"
Bromoform	ND	5.0	"
Bromomethane	ND	5.0	"
2-Butanone	ND	5.0	"
Carbon disulfide	ND	5.0	"
Carbon tetrachloride	ND	5.0	"
Chlorobenzene	ND	5.0	"
Chloroethane	ND	5.0	"
Chloroform	ND	5.0	"
Chloromethane	ND	5.0	"
Cyclohexane	ND	5.0	"
1,2-Dibromo-3-chloropropane	ND	5.0	"
Dibromochloromethane	ND	5.0	"
1,2-Dibromoethane	ND	5.0	"
1,2-Dichlorobenzene	ND	5.0	"
1,3-Dichlorobenzene	ND	5.0	"
1,4-Dichlorobenzene	ND	5.0	"
Dichlorodifluoromethane	ND	5.0	"
1,1-Dichloroethane	ND	5.0	"
1,2-Dichloroethane	ND	5.0	"
1,1-Dichloroethylene	ND	5.0	"
trans-1,2-Dichloroethylene	ND	5.0	"
cis-1,2-Dichloroethylene	ND	5.0	"
1,2-Dichloropropane	ND	5.0	"
trans-1,3-Dichloropropylene	ND	5.0	"
cis-1,3-Dichloropropylene	ND	5.0	"
1,4-Dioxane	ND	100	"
Ethyl Benzene	ND	5.0	"
2-Hexanone	ND	5.0	"
Isopropylbenzene	ND	5.0	"
Methyl acetate	ND	5.0	"
Methyl tert-butyl ether (MTBE)	ND	5.0	"
Methylcyclohexane	ND	5.0	"
Methylene chloride	ND	10	"
4-Methyl-2-pentanone	ND	5.0	"
Styrene	ND	5.0	"
1,1,2,2-Tetrachloroethane	ND	5.0	"
Tetrachloroethylene	ND	5.0	"
Toluene	ND	5.0	"
1,2,4-Trichlorobenzene	ND	5.0	"
1,2,3-Trichlorobenzene	ND	5.0	"
1,1,1-Trichloroethane	ND	5.0	"
1,1,2-Trichloroethane	ND	5.0	"
Trichloroethylene	ND	5.0	"
Trichlorofluoromethane	ND	5.0	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"
Vinyl Chloride	ND	5.0	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40885 - EPA 5035A

Blank (BI40885-BLK1)

Prepared: 09/17/2014 Analyzed: 09/18/2014

o-Xylene	ND	5.0	ug/kg wet
p- & m- Xylenes	ND	10	"
Xylenes, Total	ND	15	"

Surrogate: p-Bromofluorobenzene	47.8	ug/L	50.0	95.7	75-127
Surrogate: 1,2-Dichloroethane-d4	43.9	"	50.0	87.8	67-130
Surrogate: Toluene-d8	51.3	"	50.0	103	90-112

LCS (BI40885-BS1)

Prepared: 09/17/2014 Analyzed: 09/18/2014

Acetone	40	ug/L	50.0	80.6	32-173	
Benzene	50	"	50.0	101	83-126	
Bromochloromethane	49	"	50.0	98.9	73-128	
Bromodichloromethane	50	"	50.0	100	74-126	
Bromoform	53	"	50.0	105	63-137	
Bromomethane	59	"	50.0	118	24-144	
2-Butanone	44	"	50.0	88.0	58-159	
Carbon disulfide	49	"	50.0	97.8	29-64	High Bias
Carbon tetrachloride	49	"	50.0	97.9	68-132	
Chlorobenzene	51	"	50.0	103	87-115	
Chloroethane	57	"	50.0	114	39-146	
Chloroform	50	"	50.0	101	84-120	
Chloromethane	49	"	50.0	97.0	35-153	
Cyclohexane	49	"	50.0	97.9	70-130	
1,2-Dibromo-3-chloropropane	49	"	50.0	98.4	48-152	
Dibromochloromethane	50	"	50.0	101	41-149	
1,2-Dibromoethane	53	"	50.0	105	81-123	
1,2-Dichlorobenzene	51	"	50.0	102	81-117	
1,3-Dichlorobenzene	51	"	50.0	101	84-117	
1,4-Dichlorobenzene	50	"	50.0	101	85-118	
Dichlorodifluoromethane	50	"	50.0	99.3	52-143	
1,1-Dichloroethane	51	"	50.0	102	80-125	
1,2-Dichloroethane	49	"	50.0	98.8	67-129	
1,1-Dichloroethylene	47	"	50.0	93.8	62-136	
trans-1,2-Dichloroethylene	50	"	50.0	99.1	66-136	
cis-1,2-Dichloroethylene	53	"	50.0	106	86-121	
1,2-Dichloropropane	50	"	50.0	100	74-127	
trans-1,3-Dichloropropylene	49	"	50.0	98.5	71-128	
cis-1,3-Dichloropropylene	48	"	50.0	96.3	78-122	
1,4-Dioxane	1400	"	1000	139	31-190	
Ethyl Benzene	49	"	50.0	98.5	81-118	
2-Hexanone	52	"	50.0	103	50-154	
Isopropylbenzene	50	"	50.0	99.6	78-122	
Methyl acetate	50	"	50.0	99.0	41-143	
Methyl tert-butyl ether (MTBE)	51	"	50.0	102	62-140	
Methylcyclohexane	51	"	50.0	101	70-130	
Methylene chloride	48	"	50.0	95.0	48-143	
4-Methyl-2-pentanone	47	"	50.0	94.2	53-149	
Styrene	52	"	50.0	103	85-115	
1,1,2,2-Tetrachloroethane	50	"	50.0	101	72-133	
Tetrachloroethylene	56	"	50.0	111	76-129	
Toluene	50	"	50.0	99.1	85-116	
1,2,4-Trichlorobenzene	52	"	50.0	103	61-158	
1,2,3-Trichlorobenzene	52	"	50.0	104	63-154	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI40885 - EPA 5035A											
LCS (BI40885-BS1)						Prepared: 09/17/2014 Analyzed: 09/18/2014					
1,1,1-Trichloroethane	49		ug/L	50.0		97.9	74-126				
1,1,2-Trichloroethane	50		"	50.0		100	81-124				
Trichloroethylene	51		"	50.0		101	83-118				
Trichlorofluoromethane	48		"	50.0		95.0	54-141				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48		"	50.0		96.5	47-160				
Vinyl Chloride	50		"	50.0		101	38-147				
o-Xylene	50		"	50.0		101	81-118				
p- & m- Xylenes	110		"	100		105	80-120				
Surrogate: p-Bromofluorobenzene	50.4		"	50.0		101	75-127				
Surrogate: 1,2-Dichloroethane-d4	47.9		"	50.0		95.8	67-130				
Surrogate: Toluene-d8	49.2		"	50.0		98.3	90-112				
LCS Dup (BI40885-BSD1)						Prepared: 09/17/2014 Analyzed: 09/18/2014					
Acetone	38		ug/L	50.0		75.0	32-173		7.14	30	
Benzene	52		"	50.0		104	83-126		2.82	30	
Bromochloromethane	52		"	50.0		103	73-128		4.47	30	
Bromodichloromethane	52		"	50.0		103	74-126		2.90	30	
Bromoform	54		"	50.0		108	63-137		2.75	30	
Bromomethane	59		"	50.0		119	24-144		0.186	30	
2-Butanone	46		"	50.0		91.7	58-159		4.10	30	
Carbon disulfide	51		"	50.0		102	29-64	High Bias	4.21	30	
Carbon tetrachloride	50		"	50.0		99.1	68-132		1.18	30	
Chlorobenzene	53		"	50.0		107	87-115		3.63	30	
Chloroethane	56		"	50.0		112	39-146		1.59	30	
Chloroform	53		"	50.0		107	84-120		5.59	30	
Chloromethane	46		"	50.0		92.7	35-153		4.53	30	
Cyclohexane	48		"	50.0		95.5	70-130		2.54	30	
1,2-Dibromo-3-chloropropane	52		"	50.0		103	48-152		4.78	30	
Dibromochloromethane	55		"	50.0		110	41-149		8.28	30	
1,2-Dibromoethane	55		"	50.0		110	81-123		4.73	30	
1,2-Dichlorobenzene	53		"	50.0		107	81-117		4.69	30	
1,3-Dichlorobenzene	53		"	50.0		107	84-117		5.30	30	
1,4-Dichlorobenzene	53		"	50.0		106	85-118		4.78	30	
Dichlorodifluoromethane	52		"	50.0		103	52-143		3.66	30	
1,1-Dichloroethane	50		"	50.0		99.3	80-125		2.53	30	
1,2-Dichloroethane	52		"	50.0		104	67-129		5.03	30	
1,1-Dichloroethylene	47		"	50.0		94.7	62-136		0.934	30	
trans-1,2-Dichloroethylene	49		"	50.0		97.7	66-136		1.38	30	
cis-1,2-Dichloroethylene	54		"	50.0		107	86-121		1.14	30	
1,2-Dichloropropane	51		"	50.0		103	74-127		2.46	30	
trans-1,3-Dichloropropylene	50		"	50.0		100	71-128		1.99	30	
cis-1,3-Dichloropropylene	51		"	50.0		102	78-122		6.14	30	
1,4-Dioxane	1400		"	1000		144	31-190		3.50	30	
Ethyl Benzene	51		"	50.0		103	81-118		4.23	30	
2-Hexanone	59		"	50.0		118	50-154		13.4	30	
Isopropylbenzene	52		"	50.0		105	78-122		4.99	30	
Methyl acetate	50		"	50.0		99.7	41-143		0.704	30	
Methyl tert-butyl ether (MTBE)	51		"	50.0		102	62-140		0.432	30	
Methylcyclohexane	51		"	50.0		102	70-130		0.845	30	
Methylene chloride	51		"	50.0		101	48-143		6.34	30	
4-Methyl-2-pentanone	53		"	50.0		106	53-149		11.5	30	
Styrene	54		"	50.0		107	85-115		3.90	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40885 - EPA 5035A

LCS Dup (BI40885-BSD1)

Prepared: 09/17/2014 Analyzed: 09/18/2014

1,1,2,2-Tetrachloroethane	54		ug/L	50.0		108	72-133		6.84	30	
Tetrachloroethylene	58		"	50.0		116	76-129		4.32	30	
Toluene	53		"	50.0		106	85-116		6.27	30	
1,2,4-Trichlorobenzene	54		"	50.0		107	61-158		3.82	30	
1,2,3-Trichlorobenzene	57		"	50.0		114	63-154		8.83	30	
1,1,1-Trichloroethane	50		"	50.0		99.9	74-126		1.98	30	
1,1,2-Trichloroethane	53		"	50.0		106	81-124		5.80	30	
Trichloroethylene	53		"	50.0		106	83-118		3.92	30	
Trichlorofluoromethane	49		"	50.0		97.1	54-141		2.17	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48		"	50.0		96.5	47-160		0.0207	30	
Vinyl Chloride	48		"	50.0		96.6	38-147		4.39	30	
o-Xylene	53		"	50.0		105	81-118		3.92	30	
p- & m- Xylenes	110		"	100		108	80-120		3.17	30	
Surrogate: p-Bromofluorobenzene	51.5		"	50.0		103	75-127				
Surrogate: 1,2-Dichloroethane-d4	47.9		"	50.0		95.9	67-130				
Surrogate: Toluene-d8	51.0		"	50.0		102	90-112				

Matrix Spike (BI40885-MS1)

*Source sample: 14I0505-03 (RSB/MW-15/14-15)

Prepared: 09/17/2014 Analyzed: 09/18/2014

Acetone	89		ug/L	50.0	14	150	10-200				
Benzene	53		"	50.0	ND	106	32-136				
Bromochloromethane	52		"	50.0	ND	104	52-120				
Bromodichloromethane	51		"	50.0	ND	103	42-132				
Bromoform	54		"	50.0	ND	107	35-135				
Bromomethane	70		"	50.0	ND	139	10-123	High Bias			
2-Butanone	68		"	50.0	ND	135	23-181				
Carbon disulfide	52		"	50.0	ND	104	10-67	High Bias			
Carbon tetrachloride	50		"	50.0	ND	99.7	19-138				
Chlorobenzene	53		"	50.0	ND	106	24-130				
Chloroethane	62		"	50.0	ND	123	22-129				
Chloroform	53		"	50.0	ND	106	41-133				
Chloromethane	53		"	50.0	ND	106	10-147				
Cyclohexane	50		"	50.0	ND	99.4	70-130				
1,2-Dibromo-3-chloropropane	46		"	50.0	ND	92.7	17-146				
Dibromochloromethane	52		"	50.0	ND	103	38-131				
1,2-Dibromoethane	52		"	50.0	ND	104	53-123				
1,2-Dichlorobenzene	53		"	50.0	ND	107	10-128				
1,3-Dichlorobenzene	52		"	50.0	ND	104	10-127				
1,4-Dichlorobenzene	53		"	50.0	ND	106	10-125				
Dichlorodifluoromethane	51		"	50.0	ND	102	10-144				
1,1-Dichloroethane	52		"	50.0	ND	105	23-145				
1,2-Dichloroethane	51		"	50.0	ND	101	54-119				
1,1-Dichloroethylene	51		"	50.0	ND	101	10-161				
trans-1,2-Dichloroethylene	53		"	50.0	ND	105	20-146				
cis-1,2-Dichloroethylene	56		"	50.0	ND	112	43-130				
1,2-Dichloropropane	51		"	50.0	ND	103	38-142				
trans-1,3-Dichloropropylene	51		"	50.0	ND	103	36-123				
cis-1,3-Dichloropropylene	52		"	50.0	ND	104	35-125				
1,4-Dioxane	1300		"	1000	ND	128	33-179				
Ethyl Benzene	51		"	50.0	ND	103	10-136				
2-Hexanone	63		"	50.0	2.7	121	10-171				
Isopropylbenzene	50		"	50.0	ND	101	10-147				
Methyl acetate	50		"	50.0	ND	99.2	10-149				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40885 - EPA 5035A

Matrix Spike (BI40885-MS1)	*Source sample: 14I0505-03 (RSB/MW-15/14-15)					Prepared: 09/17/2014 Analyzed: 09/18/2014					
Methyl tert-butyl ether (MTBE)	53		ug/L	50.0	ND	106	54-133				
Methylcyclohexane	48		"	50.0	ND	95.3	70-130				
Methylene chloride	52		"	50.0	1.5	100	10-147				
4-Methyl-2-pentanone	51		"	50.0	ND	101	27-150				
Styrene	52		"	50.0	ND	104	13-129				
1,1,2,2-Tetrachloroethane	54		"	50.0	ND	108	25-149				
Tetrachloroethylene	55		"	50.0	ND	110	10-166				
Toluene	52		"	50.0	2.2	99.4	34-128				
1,2,4-Trichlorobenzene	49		"	50.0	ND	98.8	10-135				
1,2,3-Trichlorobenzene	50		"	50.0	ND	99.3	10-131				
1,1,1-Trichloroethane	51		"	50.0	ND	102	11-147				
1,1,2-Trichloroethane	52		"	50.0	ND	104	45-135				
Trichloroethylene	53		"	50.0	ND	106	36-134				
Trichlorofluoromethane	53		"	50.0	ND	106	21-128				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51		"	50.0	ND	101	10-170				
Vinyl Chloride	52		"	50.0	ND	105	10-138				
o-Xylene	51		"	50.0	ND	102	21-132				
p- & m- Xylenes	110		"	100	ND	109	13-132				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>50.2</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>70-130</i>				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>49.4</i>		<i>"</i>	<i>50.0</i>		<i>98.7</i>	<i>67-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>49.3</i>		<i>"</i>	<i>50.0</i>		<i>98.5</i>	<i>90-112</i>				

Matrix Spike Dup (BI40885-MSD1)	*Source sample: 14I0505-03 (RSB/MW-15/14-15)					Prepared: 09/17/2014 Analyzed: 09/18/2014					
Acetone	84		ug/L	50.0	13	143	10-200		5.19	150	
Benzene	54		"	50.0	ND	107	32-136		0.712	64	
Bromochloromethane	51		"	50.0	ND	102	52-120		2.12	30	
Bromodichloromethane	50		"	50.0	ND	100	42-132		2.60	37	
Bromoform	54		"	50.0	ND	108	35-135		0.926	51	
Bromomethane	68		"	50.0	ND	135	10-123	High Bias	3.06	42	
2-Butanone	62		"	50.0	ND	124	23-181		8.92	67	
Carbon disulfide	51		"	50.0	ND	101	10-67	High Bias	2.34	36	
Carbon tetrachloride	51		"	50.0	ND	102	19-138		2.77	31	
Chlorobenzene	54		"	50.0	ND	107	24-130		1.35	32	
Chloroethane	60		"	50.0	ND	121	22-129		2.04	40	
Chloroform	53		"	50.0	ND	106	41-133		0.378	29	
Chloromethane	50		"	50.0	ND	99.9	10-147		6.04	31	
Cyclohexane	53		"	50.0	ND	105	70-130		5.65	30	
1,2-Dibromo-3-chloropropane	47		"	50.0	ND	94.1	17-146		1.50	54	
Dibromochloromethane	51		"	50.0	ND	103	38-131		0.0777	41	
1,2-Dibromoethane	54		"	50.0	ND	108	53-123		4.35	39	
1,2-Dichlorobenzene	55		"	50.0	ND	110	10-128		3.50	52	
1,3-Dichlorobenzene	54		"	50.0	ND	108	10-127		4.21	51	
1,4-Dichlorobenzene	55		"	50.0	ND	110	10-125		4.25	52	
Dichlorodifluoromethane	51		"	50.0	ND	102	10-144		0.0984	34	
1,1-Dichloroethane	52		"	50.0	ND	104	23-145		0.614	36	
1,2-Dichloroethane	50		"	50.0	ND	101	54-119		0.713	32	
1,1-Dichloroethylene	50		"	50.0	ND	99.2	10-161		2.04	31	
trans-1,2-Dichloroethylene	51		"	50.0	ND	103	20-146		2.15	30	
cis-1,2-Dichloroethylene	56		"	50.0	ND	112	43-130		0.0892	30	
1,2-Dichloropropane	53		"	50.0	ND	105	38-142		2.48	37	
trans-1,3-Dichloropropylene	51		"	50.0	ND	103	36-123		0.117	30	
cis-1,3-Dichloropropylene	53		"	50.0	ND	106	35-125		2.15	39	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40885 - EPA 5035A

Matrix Spike Dup (BI40885-MSD1)		*Source sample: 14I0505-03 (RSB/MW-15/14-15)					Prepared: 09/17/2014 Analyzed: 09/18/2014				
1,4-Dioxane	1300		ug/L	1000	ND	133	33-179		3.30	196	
Ethyl Benzene	53		"	50.0	ND	106	10-136		2.94	42	
2-Hexanone	61		"	50.0	2.6	117	10-171		3.87	60	
Isopropylbenzene	52		"	50.0	ND	105	10-147		3.91	57	
Methyl acetate	48		"	50.0	ND	95.2	10-149		4.09	64	
Methyl tert-butyl ether (MTBE)	51		"	50.0	ND	101	54-133		4.94	47	
Methylcyclohexane	52		"	50.0	ND	103	70-130		7.80	30	
Methylene chloride	50		"	50.0	1.4	96.9	10-147		3.45	49	
4-Methyl-2-pentanone	48		"	50.0	ND	96.0	27-150		5.24	47	
Styrene	53		"	50.0	ND	106	13-129		1.56	39	
1,1,2,2-Tetrachloroethane	53		"	50.0	ND	106	25-149		1.88	56	
Tetrachloroethylene	54		"	50.0	ND	108	10-166		1.54	33	
Toluene	57		"	50.0	2.1	110	34-128		9.68	50	
1,2,4-Trichlorobenzene	50		"	50.0	ND	100	10-135		1.63	52	
1,2,3-Trichlorobenzene	51		"	50.0	ND	102	10-131		2.53	47	
1,1,1-Trichloroethane	51		"	50.0	ND	103	11-147		0.351	30	
1,1,2-Trichloroethane	51		"	50.0	ND	102	45-135		1.96	40	
Trichloroethylene	53		"	50.0	ND	106	36-134		0.189	30	
Trichlorofluoromethane	51		"	50.0	ND	102	21-128		4.77	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49		"	50.0	ND	98.0	10-170		3.09	31	
Vinyl Chloride	50		"	50.0	ND	101	10-138		3.88	35	
o-Xylene	52		"	50.0	ND	105	21-132		3.08	51	
p- & m- Xylenes	110		"	100	ND	109	13-132		0.110	47	
Surrogate: p-Bromofluorobenzene	49.7		"	50.0		99.4	70-130				
Surrogate: 1,2-Dichloroethane-d4	46.7		"	50.0		93.4	67-130				
Surrogate: Toluene-d8	48.6		"	50.0		97.1	90-112				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40886 - EPA 5030B

Blank (BI40886-BLK1)

Prepared: 09/17/2014 Analyzed: 09/18/2014

1,1,1-Trichloroethane	ND	0.50	ug/L
1,1,2,2-Tetrachloroethane	ND	0.50	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"
1,1,2-Trichloroethane	ND	0.50	"
1,1-Dichloroethane	ND	0.50	"
1,1-Dichloroethylene	ND	0.50	"
1,2,3-Trichlorobenzene	1.9	0.50	"
1,2,4-Trichlorobenzene	1.1	0.50	"
1,2-Dibromo-3-chloropropane	ND	0.50	"
1,2-Dibromoethane	ND	0.50	"
1,2-Dichlorobenzene	ND	0.50	"
1,2-Dichloroethane	ND	0.50	"
1,2-Dichloropropane	ND	0.50	"
1,3-Dichlorobenzene	ND	0.50	"
1,4-Dichlorobenzene	ND	0.50	"
2-Butanone	ND	0.50	"
2-Hexanone	2.2	0.50	"
4-Methyl-2-pentanone	ND	0.50	"
Acetone	11	2.0	"
Benzene	ND	0.50	"
Bromochloromethane	ND	0.50	"
Bromodichloromethane	ND	0.50	"
Bromoform	ND	0.50	"
Bromomethane	ND	0.50	"
Carbon disulfide	ND	0.50	"
Carbon tetrachloride	ND	0.50	"
Chlorobenzene	ND	0.50	"
Chloroethane	ND	0.50	"
Chloroform	ND	0.50	"
Chloromethane	ND	0.50	"
cis-1,2-Dichloroethylene	ND	0.50	"
cis-1,3-Dichloropropylene	ND	0.50	"
Cyclohexane	ND	0.50	"
Dibromochloromethane	ND	0.50	"
Dichlorodifluoromethane	ND	0.50	"
Ethyl Benzene	ND	0.50	"
Isopropylbenzene	ND	0.50	"
Methyl acetate	ND	0.50	"
Methyl tert-butyl ether (MTBE)	ND	0.50	"
Methyleyclohexane	ND	0.50	"
Methylene chloride	1.4	2.0	"
o-Xylene	ND	0.50	"
p- & m- Xylenes	ND	1.0	"
Styrene	ND	0.50	"
Tetrachloroethylene	ND	0.50	"
Toluene	ND	0.50	"
trans-1,2-Dichloroethylene	ND	0.50	"
trans-1,3-Dichloropropylene	ND	0.50	"
Trichloroethylene	ND	0.50	"
Trichlorofluoromethane	ND	0.50	"
Vinyl Chloride	ND	0.50	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40886 - EPA 5030B

Blank (BI40886-BLK1)

Prepared: 09/17/2014 Analyzed: 09/18/2014

Xylenes, Total	ND	1.5	ug/L								
Surrogate: 1,2-Dichloroethane-d4	43.9		"	50.0		87.8	81-123				
Surrogate: Toluene-d8	51.3		"	50.0		103	88-114				
Surrogate: p-Bromofluorobenzene	47.8		"	50.0		95.7	70-128				

LCS (BI40886-BS1)

Prepared: 09/17/2014 Analyzed: 09/18/2014

1,1,1-Trichloroethane	49		ug/L	50.0		97.9	74-128				
1,1,2,2-Tetrachloroethane	50		"	50.0		101	71-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48		"	50.0		96.5	51-157				
1,1,2-Trichloroethane	50		"	50.0		100	80-122				
1,1-Dichloroethane	51		"	50.0		102	70-131				
1,1-Dichloroethylene	47		"	50.0		93.8	60-143				
1,2,3-Trichlorobenzene	52		"	50.0		104	68-140				
1,2,4-Trichlorobenzene	52		"	50.0		103	65-143				
1,2-Dibromo-3-chloropropane	49		"	50.0		98.4	60-146				
1,2-Dibromoethane	53		"	50.0		105	82-122				
1,2-Dichlorobenzene	51		"	50.0		102	85-115				
1,2-Dichloroethane	49		"	50.0		98.8	72-126				
1,2-Dichloropropane	50		"	50.0		100	78-119				
1,3-Dichlorobenzene	51		"	50.0		101	83-117				
1,4-Dichlorobenzene	50		"	50.0		101	83-118				
2-Butanone	44		"	50.0		88.0	48-156				
2-Hexanone	52		"	50.0		103	50-151				
4-Methyl-2-pentanone	47		"	50.0		94.2	55-147				
Acetone	40		"	50.0		80.6	21-172				
Benzene	50		"	50.0		101	82-120				
Bromochloromethane	49		"	50.0		98.9	69-125				
Bromodichloromethane	50		"	50.0		100	84-117				
Bromoform	53		"	50.0		105	77-130				
Bromomethane	59		"	50.0		118	16-162				
Carbon disulfide	49		"	50.0		97.8	21-78	High Bias			
Carbon tetrachloride	49		"	50.0		97.9	72-132				
Chlorobenzene	51		"	50.0		103	88-112				
Chloroethane	57		"	50.0		114	29-172				
Chloroform	50		"	50.0		101	77-124				
Chloromethane	49		"	50.0		97.0	37-131				
cis-1,2-Dichloroethylene	53		"	50.0		106	77-124				
cis-1,3-Dichloropropylene	48		"	50.0		96.3	81-117				
Cyclohexane	49		"	50.0		97.9	70-130				
Dibromochloromethane	50		"	50.0		101	72-131				
Dichlorodifluoromethane	50		"	50.0		99.3	47-152				
Ethyl Benzene	49		"	50.0		98.5	86-114				
Isopropylbenzene	50		"	50.0		99.6	84-118				
Methyl acetate	50		"	50.0		99.0	20-177				
Methyl tert-butyl ether (MTBE)	51		"	50.0		102	49-156				
Methylcyclohexane	51		"	50.0		101	70-130				
Methylene chloride	48		"	50.0		95.0	51-145				
o-Xylene	50		"	50.0		101	85-114				
p- & m- Xylenes	110		"	100		105	84-117				
Styrene	52		"	50.0		103	77-126				
Tetrachloroethylene	56		"	50.0		111	75-129				
Toluene	50		"	50.0		99.1	86-113				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40886 - EPA 5030B

LCS (BI40886-BS1)

Prepared: 09/17/2014 Analyzed: 09/18/2014

trans-1,2-Dichloroethylene	50		ug/L	50.0		99.1	55-148				
trans-1,3-Dichloropropylene	49		"	50.0		98.5	77-120				
Trichloroethylene	51		"	50.0		101	85-115				
Trichlorofluoromethane	48		"	50.0		95.0	69-131				
Vinyl Chloride	50		"	50.0		101	44-152				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>47.9</i>		<i>"</i>	<i>50.0</i>		<i>95.8</i>	<i>81-123</i>				
<i>Surrogate: Toluene-d8</i>	<i>49.2</i>		<i>"</i>	<i>50.0</i>		<i>98.3</i>	<i>88-114</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>50.4</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>70-128</i>				

LCS Dup (BI40886-BS1)

Prepared: 09/17/2014 Analyzed: 09/18/2014

1,1,1-Trichloroethane	50		ug/L	50.0		99.9	74-128		1.98	30	
1,1,2,2-Tetrachloroethane	54		"	50.0		108	71-130		6.84	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48		"	50.0		96.5	51-157		0.0207	30	
1,1,2-Trichloroethane	53		"	50.0		106	80-122		5.80	30	
1,1-Dichloroethane	50		"	50.0		99.3	70-131		2.53	30	
1,1-Dichloroethylene	47		"	50.0		94.7	60-143		0.934	30	
1,2,3-Trichlorobenzene	57		"	50.0		114	68-140		8.83	30	
1,2,4-Trichlorobenzene	54		"	50.0		107	65-143		3.82	30	
1,2-Dibromo-3-chloropropane	52		"	50.0		103	60-146		4.78	30	
1,2-Dibromoethane	55		"	50.0		110	82-122		4.73	30	
1,2-Dichlorobenzene	53		"	50.0		107	85-115		4.69	30	
1,2-Dichloroethane	52		"	50.0		104	72-126		5.03	30	
1,2-Dichloropropane	51		"	50.0		103	78-119		2.46	30	
1,3-Dichlorobenzene	53		"	50.0		107	83-117		5.30	30	
1,4-Dichlorobenzene	53		"	50.0		106	83-118		4.78	30	
2-Butanone	46		"	50.0		91.7	48-156		4.10	30	
2-Hexanone	59		"	50.0		118	50-151		13.4	30	
4-Methyl-2-pentanone	53		"	50.0		106	55-147		11.5	30	
Acetone	38		"	50.0		75.0	21-172		7.14	30	
Benzene	52		"	50.0		104	82-120		2.82	30	
Bromochloromethane	52		"	50.0		103	69-125		4.47	30	
Bromodichloromethane	52		"	50.0		103	84-117		2.90	30	
Bromoform	54		"	50.0		108	77-130		2.75	30	
Bromomethane	59		"	50.0		119	16-162		0.186	30	
Carbon disulfide	51		"	50.0		102	21-78	High Bias	4.21	30	
Carbon tetrachloride	50		"	50.0		99.1	72-132		1.18	30	
Chlorobenzene	53		"	50.0		107	88-112		3.63	30	
Chloroethane	56		"	50.0		112	29-172		1.59	30	
Chloroform	53		"	50.0		107	77-124		5.59	30	
Chloromethane	46		"	50.0		92.7	37-131		4.53	30	
cis-1,2-Dichloroethylene	54		"	50.0		107	77-124		1.14	30	
cis-1,3-Dichloropropylene	51		"	50.0		102	81-117		6.14	30	
Cyclohexane	48		"	50.0		95.5	70-130		2.54	30	
Dibromochloromethane	55		"	50.0		110	72-131		8.28	30	
Dichlorodifluoromethane	52		"	50.0		103	47-152		3.66	30	
Ethyl Benzene	51		"	50.0		103	86-114		4.23	30	
Isopropylbenzene	52		"	50.0		105	84-118		4.99	30	
Methyl acetate	50		"	50.0		99.7	20-177		0.704	30	
Methyl tert-butyl ether (MTBE)	51		"	50.0		102	49-156		0.432	30	
Methylcyclohexane	51		"	50.0		102	70-130		0.845	30	
Methylene chloride	51		"	50.0		101	51-145		6.34	30	
o-Xylene	53		"	50.0		105	85-114		3.92	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40886 - EPA 5030B

LCS Dup (BI40886-BSD1)

Prepared: 09/17/2014 Analyzed: 09/18/2014

p- & m- Xylenes	110		ug/L	100		108	84-117		3.17	30
Styrene	54		"	50.0		107	77-126		3.90	30
Tetrachloroethylene	58		"	50.0		116	75-129		4.32	30
Toluene	53		"	50.0		106	86-113		6.27	30
trans-1,2-Dichloroethylene	49		"	50.0		97.7	55-148		1.38	30
trans-1,3-Dichloropropylene	50		"	50.0		100	77-120		1.99	30
Trichloroethylene	53		"	50.0		106	85-115		3.92	30
Trichlorofluoromethane	49		"	50.0		97.1	69-131		2.17	30
Vinyl Chloride	48		"	50.0		96.6	44-152		4.39	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>47.9</i>		<i>"</i>	<i>50.0</i>		<i>95.9</i>	<i>81-123</i>			
<i>Surrogate: Toluene-d8</i>	<i>51.0</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>88-114</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>51.5</i>		<i>"</i>	<i>50.0</i>		<i>103</i>	<i>70-128</i>			

Batch BI40920 - EPA 5035A

Blank (BI40920-BLK1)

Prepared & Analyzed: 09/18/2014

Acetone	51	10	ug/kg wet
Benzene	ND	5.0	"
Bromochloromethane	ND	5.0	"
Bromodichloromethane	ND	5.0	"
Bromoform	ND	5.0	"
Bromomethane	ND	5.0	"
2-Butanone	2.8	5.0	"
Carbon disulfide	ND	5.0	"
Carbon tetrachloride	ND	5.0	"
Chlorobenzene	ND	5.0	"
Chloroethane	ND	5.0	"
Chloroform	ND	5.0	"
Chloromethane	ND	5.0	"
Cyclohexane	ND	5.0	"
1,2-Dibromo-3-chloropropane	ND	5.0	"
Dibromochloromethane	ND	5.0	"
1,2-Dibromoethane	ND	5.0	"
1,2-Dichlorobenzene	ND	5.0	"
1,3-Dichlorobenzene	ND	5.0	"
1,4-Dichlorobenzene	ND	5.0	"
Dichlorodifluoromethane	ND	5.0	"
1,1-Dichloroethane	ND	5.0	"
1,2-Dichloroethane	ND	5.0	"
1,1-Dichloroethylene	ND	5.0	"
trans-1,2-Dichloroethylene	ND	5.0	"
cis-1,2-Dichloroethylene	ND	5.0	"
1,2-Dichloropropane	ND	5.0	"
trans-1,3-Dichloropropylene	ND	5.0	"
cis-1,3-Dichloropropylene	ND	5.0	"
1,4-Dioxane	ND	100	"
Ethyl Benzene	ND	5.0	"
2-Hexanone	ND	5.0	"
Isopropylbenzene	ND	5.0	"
Methyl acetate	ND	5.0	"
Methyl tert-butyl ether (MTBE)	ND	5.0	"
Methylcyclohexane	ND	5.0	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40920 - EPA 5035A

Blank (BI40920-BLK1)

Prepared & Analyzed: 09/18/2014

Methylene chloride	ND	10	ug/kg wet
4-Methyl-2-pentanone	ND	5.0	"
Styrene	ND	5.0	"
1,1,2,2-Tetrachloroethane	ND	5.0	"
Tetrachloroethylene	ND	5.0	"
Toluene	ND	5.0	"
1,2,4-Trichlorobenzene	ND	5.0	"
1,2,3-Trichlorobenzene	ND	5.0	"
1,1,1-Trichloroethane	ND	5.0	"
1,1,2-Trichloroethane	ND	5.0	"
Trichloroethylene	ND	5.0	"
Trichlorofluoromethane	ND	5.0	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"
Vinyl Chloride	ND	5.0	"
o-Xylene	ND	5.0	"
p- & m- Xylenes	ND	10	"
Xylenes, Total	ND	15	"

Surrogate: p-Bromofluorobenzene	55.2	ug/L	50.0	110	75-127
Surrogate: 1,2-Dichloroethane-d4	51.7	"	50.0	103	67-130
Surrogate: Toluene-d8	50.2	"	50.0	100	90-112

LCS (BI40920-BS1)

Prepared & Analyzed: 09/18/2014

Acetone	80	ug/L	50.0	159	32-173
Benzene	50	"	50.0	99.4	83-126
Bromochloromethane	53	"	50.0	106	73-128
Bromodichloromethane	60	"	50.0	119	74-126
Bromoform	63	"	50.0	126	63-137
Bromomethane	49	"	50.0	97.6	24-144
2-Butanone	59	"	50.0	118	58-159
Carbon disulfide	55	"	50.0	109	29-64
Carbon tetrachloride	61	"	50.0	122	68-132
Chlorobenzene	54	"	50.0	109	87-115
Chloroethane	52	"	50.0	104	39-146
Chloroform	56	"	50.0	112	84-120
Chloromethane	41	"	50.0	82.3	35-153
Cyclohexane	48	"	50.0	96.1	70-130
1,2-Dibromo-3-chloropropane	68	"	50.0	135	48-152
Dibromochloromethane	63	"	50.0	125	41-149
1,2-Dibromoethane	56	"	50.0	113	81-123
1,2-Dichlorobenzene	56	"	50.0	112	81-117
1,3-Dichlorobenzene	56	"	50.0	113	84-117
1,4-Dichlorobenzene	58	"	50.0	116	85-118
Dichlorodifluoromethane	47	"	50.0	93.2	52-143
1,1-Dichloroethane	51	"	50.0	102	80-125
1,2-Dichloroethane	60	"	50.0	121	67-129
1,1-Dichloroethylene	58	"	50.0	116	62-136
trans-1,2-Dichloroethylene	52	"	50.0	104	66-136
cis-1,2-Dichloroethylene	52	"	50.0	105	86-121
1,2-Dichloropropane	50	"	50.0	99.9	74-127
trans-1,3-Dichloropropylene	58	"	50.0	117	71-128
cis-1,3-Dichloropropylene	54	"	50.0	108	78-122
1,4-Dioxane	1300	"	1000	134	31-190



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40920 - EPA 5035A

LCS (BI40920-BS1)

Prepared & Analyzed: 09/18/2014

Ethyl Benzene	54		ug/L	50.0		109	81-118				
2-Hexanone	56		"	50.0		113	50-154				
Isopropylbenzene	54		"	50.0		109	78-122				
Methyl acetate	55		"	50.0		110	41-143				
Methyl tert-butyl ether (MTBE)	56		"	50.0		112	62-140				
Methylcyclohexane	51		"	50.0		103	70-130				
Methylene chloride	46		"	50.0		91.2	48-143				
4-Methyl-2-pentanone	53		"	50.0		106	53-149				
Styrene	56		"	50.0		111	85-115				
1,1,2,2-Tetrachloroethane	53		"	50.0		107	72-133				
Tetrachloroethylene	54		"	50.0		109	76-129				
Toluene	53		"	50.0		106	85-116				
1,2,4-Trichlorobenzene	59		"	50.0		118	61-158				
1,2,3-Trichlorobenzene	61		"	50.0		122	63-154				
1,1,1-Trichloroethane	59		"	50.0		119	74-126				
1,1,2-Trichloroethane	54		"	50.0		108	81-124				
Trichloroethylene	55		"	50.0		111	83-118				
Trichlorofluoromethane	59		"	50.0		119	54-141				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	58		"	50.0		116	47-160				
Vinyl Chloride	49		"	50.0		98.6	38-147				
o-Xylene	56		"	50.0		112	81-118				
p- & m- Xylenes	110		"	100		113	80-120				
Surrogate: p-Bromofluorobenzene	51.3		"	50.0		103	75-127				
Surrogate: 1,2-Dichloroethane-d4	54.5		"	50.0		109	67-130				
Surrogate: Toluene-d8	50.1		"	50.0		100	90-112				

LCS Dup (BI40920-BSD1)

Prepared & Analyzed: 09/18/2014

Acetone	97		ug/L	50.0		193	32-173	High Bias	19.1	30	
Benzene	52		"	50.0		104	83-126		4.83	30	
Bromochloromethane	54		"	50.0		108	73-128		2.29	30	
Bromodichloromethane	61		"	50.0		122	74-126		2.42	30	
Bromoform	63		"	50.0		126	63-137		0.0951	30	
Bromomethane	50		"	50.0		99.7	24-144		2.09	30	
2-Butanone	54		"	50.0		107	58-159		9.37	30	
Carbon disulfide	57		"	50.0		114	29-64	High Bias	4.66	30	
Carbon tetrachloride	64		"	50.0		128	68-132		4.49	30	
Chlorobenzene	55		"	50.0		110	87-115		1.11	30	
Chloroethane	54		"	50.0		108	39-146		4.10	30	
Chloroform	59		"	50.0		118	84-120		5.33	30	
Chloromethane	44		"	50.0		87.9	35-153		6.61	30	
Cyclohexane	52		"	50.0		103	70-130		7.28	30	
1,2-Dibromo-3-chloropropane	66		"	50.0		132	48-152		2.76	30	
Dibromochloromethane	62		"	50.0		125	41-149		0.432	30	
1,2-Dibromoethane	57		"	50.0		114	81-123		1.41	30	
1,2-Dichlorobenzene	56		"	50.0		112	81-117		0.107	30	
1,3-Dichlorobenzene	57		"	50.0		114	84-117		0.917	30	
1,4-Dichlorobenzene	57		"	50.0		113	85-118		1.87	30	
Dichlorodifluoromethane	48		"	50.0		96.9	52-143		3.93	30	
1,1-Dichloroethane	54		"	50.0		108	80-125		6.05	30	
1,2-Dichloroethane	62		"	50.0		125	67-129		3.31	30	
1,1-Dichloroethylene	60		"	50.0		119	62-136		3.17	30	
trans-1,2-Dichloroethylene	54		"	50.0		109	66-136		4.07	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI40920 - EPA 5035A											
LCS Dup (BI40920-BSD1)						Prepared & Analyzed: 09/18/2014					
cis-1,2-Dichloroethylene	54		ug/L	50.0		108	86-121		2.95	30	
1,2-Dichloropropane	51		"	50.0		101	74-127		1.25	30	
trans-1,3-Dichloropropylene	59		"	50.0		118	71-128		0.939	30	
cis-1,3-Dichloropropylene	56		"	50.0		112	78-122		3.43	30	
1,4-Dioxane	1200		"	1000		118	31-190		13.0	30	
Ethyl Benzene	55		"	50.0		110	81-118		1.11	30	
2-Hexanone	54		"	50.0		109	50-154		3.52	30	
Isopropylbenzene	55		"	50.0		111	78-122		1.75	30	
Methyl acetate	50		"	50.0		99.8	41-143		9.67	30	
Methyl tert-butyl ether (MTBE)	57		"	50.0		114	62-140		1.64	30	
Methylcyclohexane	52		"	50.0		104	70-130		1.72	30	
Methylene chloride	46		"	50.0		92.6	48-143		1.52	30	
4-Methyl-2-pentanone	53		"	50.0		106	53-149		0.433	30	
Styrene	56		"	50.0		112	85-115		0.914	30	
1,1,2,2-Tetrachloroethane	55		"	50.0		110	72-133		3.19	30	
Tetrachloroethylene	57		"	50.0		113	76-129		4.25	30	
Toluene	54		"	50.0		108	85-116		1.83	30	
1,2,4-Trichlorobenzene	58		"	50.0		116	61-158		1.81	30	
1,2,3-Trichlorobenzene	60		"	50.0		120	63-154		1.20	30	
1,1,1-Trichloroethane	62		"	50.0		125	74-126		4.93	30	
1,1,2-Trichloroethane	54		"	50.0		108	81-124		0.241	30	
Trichloroethylene	56		"	50.0		112	83-118		0.862	30	
Trichlorofluoromethane	62		"	50.0		124	54-141		4.51	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	61		"	50.0		122	47-160		4.43	30	
Vinyl Chloride	51		"	50.0		103	38-147		3.97	30	
o-Xylene	57		"	50.0		115	81-118		2.36	30	
p- & m- Xylenes	110		"	100		114	80-120		0.741	30	
Surrogate: p-Bromofluorobenzene	50.6		"	50.0		101	75-127				
Surrogate: 1,2-Dichloroethane-d4	56.5		"	50.0		113	67-130				
Surrogate: Toluene-d8	50.1		"	50.0		100	90-112				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40923 - EPA 5035A

Blank (BI40923-BLK1)

Prepared & Analyzed: 09/18/2014

Acetone	11	10	ug/kg wet
Benzene	ND	5.0	"
Bromochloromethane	ND	5.0	"
Bromodichloromethane	ND	5.0	"
Bromoform	ND	5.0	"
Bromomethane	ND	5.0	"
2-Butanone	ND	5.0	"
Carbon disulfide	ND	5.0	"
Carbon tetrachloride	ND	5.0	"
Chlorobenzene	ND	5.0	"
Chloroethane	ND	5.0	"
Chloroform	ND	5.0	"
Chloromethane	ND	5.0	"
Cyclohexane	ND	5.0	"
1,2-Dibromo-3-chloropropane	ND	5.0	"
Dibromochloromethane	ND	5.0	"
1,2-Dibromoethane	ND	5.0	"
1,2-Dichlorobenzene	ND	5.0	"
1,3-Dichlorobenzene	ND	5.0	"
1,4-Dichlorobenzene	ND	5.0	"
Dichlorodifluoromethane	ND	5.0	"
1,1-Dichloroethane	ND	5.0	"
1,2-Dichloroethane	ND	5.0	"
1,1-Dichloroethylene	ND	5.0	"
trans-1,2-Dichloroethylene	ND	5.0	"
cis-1,2-Dichloroethylene	ND	5.0	"
1,2-Dichloropropane	ND	5.0	"
trans-1,3-Dichloropropylene	ND	5.0	"
cis-1,3-Dichloropropylene	ND	5.0	"
1,4-Dioxane	ND	100	"
Ethyl Benzene	ND	5.0	"
2-Hexanone	ND	5.0	"
Isopropylbenzene	ND	5.0	"
Methyl acetate	ND	5.0	"
Methyl tert-butyl ether (MTBE)	ND	5.0	"
Methylcyclohexane	ND	5.0	"
Methylene chloride	ND	10	"
4-Methyl-2-pentanone	ND	5.0	"
Styrene	ND	5.0	"
1,1,2,2-Tetrachloroethane	ND	5.0	"
Tetrachloroethylene	ND	5.0	"
Toluene	ND	5.0	"
1,2,4-Trichlorobenzene	ND	5.0	"
1,2,3-Trichlorobenzene	ND	5.0	"
1,1,1-Trichloroethane	ND	5.0	"
1,1,2-Trichloroethane	ND	5.0	"
Trichloroethylene	ND	5.0	"
Trichlorofluoromethane	ND	5.0	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"
Vinyl Chloride	ND	5.0	"
o-Xylene	ND	5.0	"



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI40923 - EPA 5035A											
Blank (BI40923-BLK1)						Prepared & Analyzed: 09/18/2014					
p- & m- Xylenes	ND	10	ug/kg wet								
Xylenes, Total	ND	15	"								
Surrogate: p-Bromofluorobenzene	48.5		ug/L	50.0		96.9	75-127				
Surrogate: 1,2-Dichloroethane-d4	48.2		"	50.0		96.3	67-130				
Surrogate: Toluene-d8	50.9		"	50.0		102	90-112				
LCS (BI40923-BS1)						Prepared & Analyzed: 09/18/2014					
Acetone	66		ug/L	50.0		132	32-173				
Benzene	50		"	50.0		99.5	83-126				
Bromochloromethane	50		"	50.0		101	73-128				
Bromodichloromethane	49		"	50.0		97.2	74-126				
Bromoform	54		"	50.0		107	63-137				
Bromomethane	51		"	50.0		101	24-144				
2-Butanone	53		"	50.0		106	58-159				
Carbon disulfide	47		"	50.0		93.7	29-64	High Bias			
Carbon tetrachloride	47		"	50.0		93.9	68-132				
Chlorobenzene	51		"	50.0		102	87-115				
Chloroethane	55		"	50.0		109	39-146				
Chloroform	50		"	50.0		100	84-120				
Chloromethane	50		"	50.0		99.4	35-153				
Cyclohexane	47		"	50.0		93.9	70-130				
1,2-Dibromo-3-chloropropane	53		"	50.0		106	48-152				
Dibromochloromethane	51		"	50.0		101	41-149				
1,2-Dibromoethane	52		"	50.0		104	81-123				
1,2-Dichlorobenzene	53		"	50.0		106	81-117				
1,3-Dichlorobenzene	51		"	50.0		102	84-117				
1,4-Dichlorobenzene	51		"	50.0		101	85-118				
Dichlorodifluoromethane	46		"	50.0		91.1	52-143				
1,1-Dichloroethane	49		"	50.0		97.7	80-125				
1,2-Dichloroethane	51		"	50.0		101	67-129				
1,1-Dichloroethylene	46		"	50.0		92.2	62-136				
trans-1,2-Dichloroethylene	48		"	50.0		95.0	66-136				
cis-1,2-Dichloroethylene	51		"	50.0		103	86-121				
1,2-Dichloropropane	48		"	50.0		96.6	74-127				
trans-1,3-Dichloropropylene	49		"	50.0		98.8	71-128				
cis-1,3-Dichloropropylene	50		"	50.0		99.1	78-122				
1,4-Dioxane	1500		"	1000		146	31-190				
Ethyl Benzene	49		"	50.0		98.1	81-118				
2-Hexanone	56		"	50.0		112	50-154				
Isopropylbenzene	48		"	50.0		95.8	78-122				
Methyl acetate	51		"	50.0		103	41-143				
Methyl tert-butyl ether (MTBE)	51		"	50.0		103	62-140				
Methylcyclohexane	46		"	50.0		91.6	70-130				
Methylene chloride	48		"	50.0		96.3	48-143				
4-Methyl-2-pentanone	51		"	50.0		101	53-149				
Styrene	50		"	50.0		101	85-115				
1,1,2,2-Tetrachloroethane	51		"	50.0		103	72-133				
Tetrachloroethylene	51		"	50.0		102	76-129				
Toluene	47		"	50.0		95.0	85-116				
1,2,4-Trichlorobenzene	51		"	50.0		103	61-158				
1,2,3-Trichlorobenzene	54		"	50.0		108	63-154				
1,1,1-Trichloroethane	47		"	50.0		93.9	74-126				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40923 - EPA 5035A

LCS (BI40923-BS1)

Prepared & Analyzed: 09/18/2014

1,1,2-Trichloroethane	51		ug/L	50.0		102	81-124				
Trichloroethylene	47		"	50.0		93.3	83-118				
Trichlorofluoromethane	46		"	50.0		92.4	54-141				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46		"	50.0		91.6	47-160				
Vinyl Chloride	47		"	50.0		94.8	38-147				
o-Xylene	49		"	50.0		97.4	81-118				
p- & m- Xylenes	98		"	100		98.3	80-120				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>49.7</i>		<i>"</i>	<i>50.0</i>		<i>99.3</i>	<i>75-127</i>				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>47.5</i>		<i>"</i>	<i>50.0</i>		<i>95.0</i>	<i>67-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>47.8</i>		<i>"</i>	<i>50.0</i>		<i>95.7</i>	<i>90-112</i>				

LCS Dup (BI40923-BS1)

Prepared & Analyzed: 09/18/2014

Acetone	67		ug/L	50.0		133	32-173		1.10	30	
Benzene	49		"	50.0		97.5	83-126		2.09	30	
Bromochloromethane	49		"	50.0		97.4	73-128		3.53	30	
Bromodichloromethane	50		"	50.0		100	74-126		3.00	30	
Bromoform	54		"	50.0		107	63-137		0.0747	30	
Bromomethane	48		"	50.0		95.5	24-144		6.05	30	
2-Butanone	51		"	50.0		103	58-159		2.67	30	
Carbon disulfide	47		"	50.0		93.3	29-64	High Bias	0.513	30	
Carbon tetrachloride	47		"	50.0		93.9	68-132		0.0426	30	
Chlorobenzene	52		"	50.0		104	87-115		2.70	30	
Chloroethane	52		"	50.0		104	39-146		4.38	30	
Chloroform	50		"	50.0		99.1	84-120		1.26	30	
Chloromethane	49		"	50.0		97.2	35-153		2.24	30	
Cyclohexane	48		"	50.0		95.2	70-130		1.38	30	
1,2-Dibromo-3-chloropropane	54		"	50.0		108	48-152		1.08	30	
Dibromochloromethane	52		"	50.0		103	41-149		1.96	30	
1,2-Dibromoethane	53		"	50.0		106	81-123		1.89	30	
1,2-Dichlorobenzene	54		"	50.0		107	81-117		1.22	30	
1,3-Dichlorobenzene	52		"	50.0		104	84-117		1.99	30	
1,4-Dichlorobenzene	52		"	50.0		103	85-118		1.66	30	
Dichlorodifluoromethane	44		"	50.0		88.6	52-143		2.76	30	
1,1-Dichloroethane	50		"	50.0		99.9	80-125		2.23	30	
1,2-Dichloroethane	51		"	50.0		103	67-129		1.14	30	
1,1-Dichloroethylene	46		"	50.0		91.6	62-136		0.588	30	
trans-1,2-Dichloroethylene	48		"	50.0		95.3	66-136		0.315	30	
cis-1,2-Dichloroethylene	50		"	50.0		99.9	86-121		3.00	30	
1,2-Dichloropropane	50		"	50.0		100	74-127		3.98	30	
trans-1,3-Dichloropropylene	50		"	50.0		101	71-128		2.16	30	
cis-1,3-Dichloropropylene	50		"	50.0		99.8	78-122		0.664	30	
1,4-Dioxane	1500		"	1000		150	31-190		2.93	30	
Ethyl Benzene	50		"	50.0		100	81-118		2.18	30	
2-Hexanone	58		"	50.0		116	50-154		3.57	30	
Isopropylbenzene	49		"	50.0		98.6	78-122		2.88	30	
Methyl acetate	51		"	50.0		102	41-143		0.684	30	
Methyl tert-butyl ether (MTBE)	51		"	50.0		102	62-140		1.16	30	
Methylcyclohexane	48		"	50.0		96.7	70-130		5.40	30	
Methylene chloride	46		"	50.0		92.9	48-143		3.59	30	
4-Methyl-2-pentanone	53		"	50.0		105	53-149		4.07	30	
Styrene	51		"	50.0		102	85-115		1.07	30	
1,1,1,2-Tetrachloroethane	55		"	50.0		111	72-133		7.21	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40923 - EPA 5035A

LCS Dup (BI40923-BSD1)

Prepared & Analyzed: 09/18/2014

Tetrachloroethylene	52		ug/L	50.0		104	76-129		1.65	30
Toluene	49		"	50.0		98.1	85-116		3.19	30
1,2,4-Trichlorobenzene	52		"	50.0		104	61-158		1.07	30
1,2,3-Trichlorobenzene	56		"	50.0		111	63-154		3.05	30
1,1,1-Trichloroethane	48		"	50.0		95.6	74-126		1.75	30
1,1,2-Trichloroethane	52		"	50.0		104	81-124		1.54	30
Trichloroethylene	49		"	50.0		98.2	83-118		5.14	30
Trichlorofluoromethane	46		"	50.0		91.7	54-141		0.782	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	46		"	50.0		91.2	47-160		0.437	30
Vinyl Chloride	46		"	50.0		92.3	38-147		2.67	30
o-Xylene	49		"	50.0		98.4	81-118		1.00	30
p- & m- Xylenes	100		"	100		102	80-120		3.84	30
Surrogate: p-Bromofluorobenzene	50.2		"	50.0		100	75-127			
Surrogate: 1,2-Dichloroethane-d4	46.4		"	50.0		92.9	67-130			
Surrogate: Toluene-d8	48.3		"	50.0		96.6	90-112			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40724 - EPA 3550C

Blank (BI40724-BLK1)

Prepared & Analyzed: 09/16/2014

Acenaphthene	ND	167	ug/kg wet
Acenaphthylene	ND	167	"
Acetophenone	ND	167	"
Anthracene	ND	167	"
Atrazine	ND	167	"
Benzaldehyde	ND	167	"
Benzo(a)anthracene	ND	167	"
Benzo(a)pyrene	ND	167	"
Benzo(b)fluoranthene	ND	167	"
Benzo(g,h,i)perylene	ND	167	"
Benzo(k)fluoranthene	ND	167	"
Benzyl butyl phthalate	ND	167	"
1,1'-Biphenyl	ND	167	"
4-Bromophenyl phenyl ether	ND	167	"
Caprolactam	ND	167	"
Carbazole	ND	167	"
4-Chloro-3-methylphenol	ND	167	"
4-Chloroaniline	ND	167	"
Bis(2-chloroethoxy)methane	ND	167	"
Bis(2-chloroethyl)ether	ND	167	"
Bis(2-chloroisopropyl)ether	ND	167	"
2-Chloronaphthalene	ND	167	"
2-Chlorophenol	ND	167	"
4-Chlorophenyl phenyl ether	ND	167	"
Chrysene	ND	167	"
Dibenzo(a,h)anthracene	ND	167	"
Dibenzofuran	ND	167	"
Di-n-butyl phthalate	ND	167	"
3,3'-Dichlorobenzidine	ND	333	"
2,4-Dichlorophenol	ND	167	"
Diethyl phthalate	ND	167	"
2,4-Dimethylphenol	ND	167	"
Dimethyl phthalate	ND	167	"
4,6-Dinitro-2-methylphenol	ND	167	"
2,4-Dinitrophenol	ND	333	"
2,4-Dinitrotoluene	ND	167	"
2,6-Dinitrotoluene	ND	167	"
Di-n-octyl phthalate	ND	167	"
Bis(2-ethylhexyl)phthalate	ND	167	"
Fluoranthene	ND	167	"
Fluorene	ND	167	"
Hexachlorobenzene	ND	167	"
Hexachlorobutadiene	ND	167	"
Hexachlorocyclopentadiene	ND	167	"
Hexachloroethane	ND	167	"
Indeno(1,2,3-cd)pyrene	ND	167	"
Isophorone	ND	167	"
2-Methylnaphthalene	ND	167	"
2-Methylphenol	ND	167	"
3- & 4-Methylphenols	ND	167	"
Naphthalene	ND	167	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40724 - EPA 3550C

Blank (BI40724-BLK1)

Prepared & Analyzed: 09/16/2014

4-Nitroaniline	ND	167	ug/kg wet								
2-Nitroaniline	ND	167	"								
3-Nitroaniline	ND	167	"								
Nitrobenzene	ND	167	"								
2-Nitrophenol	ND	167	"								
4-Nitrophenol	ND	167	"								
N-nitroso-di-n-propylamine	ND	167	"								
N-Nitrosodiphenylamine	ND	167	"								
Pentachlorophenol	ND	167	"								
Phenanthrene	ND	167	"								
Phenol	ND	167	"								
Pyrene	ND	167	"								
1,2,4,5-Tetrachlorobenzene	ND	167	"								
2,4,6-Trichlorophenol	ND	167	"								
2,4,5-Trichlorophenol	ND	167	"								
<i>Surrogate: 2-Fluorophenol</i>	<i>2480</i>		<i>"</i>	<i>2510</i>		<i>98.9</i>	<i>10-105</i>				
<i>Surrogate: Phenol-d5</i>	<i>2480</i>		<i>"</i>	<i>2510</i>		<i>98.7</i>	<i>10-118</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>1520</i>		<i>"</i>	<i>1670</i>		<i>90.6</i>	<i>10-140</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1600</i>		<i>"</i>	<i>1670</i>		<i>96.0</i>	<i>10-126</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>2360</i>		<i>"</i>	<i>2500</i>		<i>94.2</i>	<i>10-150</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1760</i>		<i>"</i>	<i>1670</i>		<i>105</i>	<i>10-137</i>				

LCS (BI40724-BS1)

Prepared & Analyzed: 09/16/2014

Acenaphthene	1550	167	ug/kg wet	1670		92.7	17-124				
Acenaphthylene	1500	167	"	1670		90.2	16-124				
Acetophenone	1120	167	"	1670		67.0	28-105				
Anthracene	1570	167	"	1670		94.4	24-124				
Atrazine	1220	167	"	1670		73.2	22-120				
Benzaldehyde	1380	167	"	1670		82.6	21-100				
Benzo(a)anthracene	1490	167	"	1670		89.7	25-134				
Benzo(a)pyrene	1620	167	"	1670		97.4	29-144				
Benzo(b)fluoranthene	1570	167	"	1670		94.5	20-151				
Benzo(g,h,i)perylene	1830	167	"	1670		110	10-153				
Benzo(k)fluoranthene	1530	167	"	1670		92.1	10-148				
Benzyl butyl phthalate	1510	167	"	1670		90.7	10-132				
1,1'-Biphenyl	1220	167	"	1670		73.2	22-103				
4-Bromophenyl phenyl ether	1490	167	"	1670		89.3	30-138				
Caprolactam	1090	167	"	1670		65.4	10-123				
Carbazole	1510	167	"	1670		90.6	31-120				
4-Chloro-3-methylphenol	1450	167	"	1670		86.7	16-138				
4-Chloroaniline	1380	167	"	1670		82.6	10-117				
Bis(2-chloroethoxy)methane	1530	167	"	1670		91.5	10-129				
Bis(2-chloroethyl)ether	1350	167	"	1670		80.8	14-125				
Bis(2-chloroisopropyl)ether	1580	167	"	1670		94.8	14-122				
2-Chloronaphthalene	1560	167	"	1670		93.8	22-115				
2-Chlorophenol	1330	167	"	1670		79.8	25-121				
4-Chlorophenyl phenyl ether	1530	167	"	1670		91.8	18-132				
Chrysene	1550	167	"	1670		93.1	24-116				
Dibenzo(a,h)anthracene	1680	167	"	1670		101	17-147				
Dibenzofuran	1510	167	"	1670		90.7	23-123				
Di-n-butyl phthalate	1530	167	"	1670		91.9	19-123				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI40724 - EPA 3550C											
LCS (BI40724-BS1)						Prepared & Analyzed: 09/16/2014					
3,3'-Dichlorobenzidine	1730	333	ug/kg wet	1670		104	10-147				
2,4-Dichlorophenol	1410	167	"	1670		84.8	23-133				
Diethyl phthalate	1540	167	"	1670		92.4	23-122				
2,4-Dimethylphenol	1350	167	"	1670		80.9	15-131				
Dimethyl phthalate	1640	167	"	1670		98.5	28-127				
4,6-Dinitro-2-methylphenol	1550	167	"	1670		92.7	10-149				
2,4-Dinitrophenol	1570	333	"	1670		94.4	10-149				
2,4-Dinitrotoluene	1710	167	"	1670		102	30-123				
2,6-Dinitrotoluene	1560	167	"	1670		93.7	30-125				
Di-n-octyl phthalate	1520	167	"	1670		91.5	10-132				
Bis(2-ethylhexyl)phthalate	1750	167	"	1670		105	10-141				
Fluoranthene	1550	167	"	1670		93.2	36-125				
Fluorene	1570	167	"	1670		94.0	16-130				
Hexachlorobenzene	1460	167	"	1670		87.7	10-129				
Hexachlorobutadiene	1410	167	"	1670		84.5	22-153				
Hexachlorocyclopentadiene	1440	167	"	1670		86.5	10-134				
Hexachloroethane	1400	167	"	1670		84.1	20-112				
Indeno(1,2,3-cd)pyrene	1680	167	"	1670		101	10-155				
Isophorone	1410	167	"	1670		84.7	14-131				
2-Methylnaphthalene	1480	167	"	1670		88.7	16-127				
2-Methylphenol	1280	167	"	1670		76.6	10-146				
3- & 4-Methylphenols	1230	167	"	1670		74.1	20-109				
Naphthalene	1560	167	"	1670		93.4	20-121				
4-Nitroaniline	1560	167	"	1670		93.4	14-125				
2-Nitroaniline	1580	167	"	1670		95.0	24-126				
3-Nitroaniline	1510	167	"	1670		90.9	23-123				
Nitrobenzene	1360	167	"	1670		81.4	20-121				
2-Nitrophenol	1370	167	"	1670		82.0	17-129				
4-Nitrophenol	1300	167	"	1670		77.9	10-136				
N-nitroso-di-n-propylamine	1400	167	"	1670		83.8	21-119				
N-Nitrosodiphenylamine	1680	167	"	1670		101	10-163				
Pentachlorophenol	1320	167	"	1670		79.0	10-143				
Phenanthrene	1630	167	"	1670		98.0	24-123				
Phenol	1250	167	"	1670		74.8	15-123				
Pyrene	1540	167	"	1670		92.4	24-132				
1,2,4,5-Tetrachlorobenzene	1320	167	"	1670		79.0	10-144				
2,4,6-Trichlorophenol	1380	167	"	1670		83.0	27-122				
2,4,5-Trichlorophenol	1380	167	"	1670		83.0	14-138				
<i>Surrogate: 2-Fluorophenol</i>	<i>2170</i>		<i>"</i>	<i>2510</i>		<i>86.4</i>	<i>10-105</i>				
<i>Surrogate: Phenol-d5</i>	<i>2160</i>		<i>"</i>	<i>2510</i>		<i>86.3</i>	<i>10-118</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>1340</i>		<i>"</i>	<i>1670</i>		<i>79.8</i>	<i>10-140</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>1440</i>		<i>"</i>	<i>1670</i>		<i>86.3</i>	<i>10-126</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>2090</i>		<i>"</i>	<i>2500</i>		<i>83.4</i>	<i>30-130</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>1380</i>		<i>"</i>	<i>1670</i>		<i>82.3</i>	<i>10-137</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40724 - EPA 3550C

Matrix Spike (BI40724-MS1)		*Source sample: 14I0505-03 (RSB/MW-15/14-15)					Prepared & Analyzed: 09/16/2014				
Acenaphthene	1900	197	ug/kg dry	1970	ND	96.6	13-133				
Acenaphthylene	1810	197	"	1970	ND	92.1	25-125				
Acetophenone	1150	197	"	1970	ND	58.4	25-105				
Anthracene	1920	197	"	1970	ND	97.5	27-128				
Atrazine	1330	197	"	1970	ND	67.6	10-139				
Benzaldehyde	1460	197	"	1970	ND	74.2	24-96				
Benzo(a)anthracene	1820	197	"	1970	ND	92.6	20-147				
Benzo(a)pyrene	1990	197	"	1970	ND	101	18-153				
Benzo(b)fluoranthene	1490	197	"	1970	ND	75.5	10-163				
Benzo(g,h,i)perylene	2090	197	"	1970	ND	106	10-157				
Benzo(k)fluoranthene	1860	197	"	1970	ND	94.8	10-157				
Benzyl butyl phthalate	1830	197	"	1970	ND	93.2	10-129				
1,1'-Biphenyl	1350	197	"	1970	ND	68.4	24-112				
4-Bromophenyl phenyl ether	1830	197	"	1970	ND	92.9	32-148				
Caprolactam	1280	197	"	1970	ND	65.1	10-100				
Carbazole	1860	197	"	1970	ND	94.4	24-139				
4-Chloro-3-methylphenol	1800	197	"	1970	ND	91.5	14-138				
4-Chloroaniline	1740	197	"	1970	ND	88.3	10-124				
Bis(2-chloroethoxy)methane	1840	197	"	1970	ND	93.3	12-128				
Bis(2-chloroethyl)ether	1650	197	"	1970	ND	83.7	18-113				
Bis(2-chloroisopropyl)ether	1730	197	"	1970	ND	87.7	10-130				
2-Chloronaphthalene	1890	197	"	1970	ND	95.9	31-116				
2-Chlorophenol	1600	197	"	1970	ND	81.1	28-114				
4-Chlorophenyl phenyl ether	1900	197	"	1970	ND	96.7	10-153				
Chrysene	1910	197	"	1970	ND	96.9	18-133				
Dibenzo(a,h)anthracene	2040	197	"	1970	ND	104	10-146				
Dibenzofuran	1830	197	"	1970	ND	93.1	26-134				
Di-n-butyl phthalate	1860	197	"	1970	ND	94.5	20-128				
3,3'-Dichlorobenzidine	2080	393	"	1970	ND	106	10-134				
2,4-Dichlorophenol	1730	197	"	1970	ND	88.1	16-144				
Diethyl phthalate	1870	197	"	1970	ND	95.0	30-119				
2,4-Dimethylphenol	1660	197	"	1970	ND	84.5	11-133				
Dimethyl phthalate	2010	197	"	1970	ND	102	34-120				
4,6-Dinitro-2-methylphenol	2000	197	"	1970	ND	102	10-149				
2,4-Dinitrophenol	2150	394	"	1970	ND	109	10-132				
2,4-Dinitrotoluene	2110	197	"	1970	440	84.8	42-113				
2,6-Dinitrotoluene	1950	197	"	1970	ND	99.3	36-124				
Di-n-octyl phthalate	1860	197	"	1970	ND	94.6	10-133				
Bis(2-ethylhexyl)phthalate	2130	197	"	1970	ND	108	10-138				
Fluoranthene	1900	197	"	1970	ND	96.5	10-155				
Fluorene	1910	197	"	1970	ND	97.3	12-150				
Hexachlorobenzene	1860	197	"	1970	ND	94.4	16-142				
Hexachlorobutadiene	1630	197	"	1970	ND	82.7	11-150				
Hexachlorocyclopentadiene	1710	197	"	1970	ND	86.8	10-115				
Hexachloroethane	1470	197	"	1970	ND	74.7	14-106				
Indeno(1,2,3-cd)pyrene	2000	197	"	1970	ND	101	10-155				
Isophorone	1730	197	"	1970	ND	88.1	14-127				
2-Methylnaphthalene	1780	197	"	1970	ND	90.2	10-143				
2-Methylphenol	1510	197	"	1970	ND	76.5	10-160				
3- & 4-Methylphenols	1440	197	"	1970	ND	73.2	16-115				
Naphthalene	1840	197	"	1970	ND	93.3	15-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40724 - EPA 3550C

Matrix Spike (BI40724-MS1)	*Source sample: 14I0505-03 (RSB/MW-15/14-15)					Prepared & Analyzed: 09/16/2014					
4-Nitroaniline	1990	197	ug/kg dry	1970	ND	101	10-151				
2-Nitroaniline	2000	197	"	1970	ND	102	33-122				
3-Nitroaniline	1890	197	"	1970	ND	96.1	24-128				
Nitrobenzene	1560	197	"	1970	ND	79.3	18-125				
2-Nitrophenol	1670	197	"	1970	ND	84.6	12-127				
4-Nitrophenol	1760	197	"	1970	ND	89.6	10-141				
N-nitroso-di-n-propylamine	1580	197	"	1970	ND	80.2	23-115				
N-Nitrosodiphenylamine	2030	197	"	1970	ND	103	16-166				
Pentachlorophenol	1710	197	"	1970	ND	86.7	10-160				
Phenanthrene	2000	197	"	1970	ND	101	10-151				
Phenol	1520	197	"	1970	ND	77.0	11-124				
Pyrene	1890	197	"	1970	ND	96.3	13-148				
1,2,4,5-Tetrachlorobenzene	1610	197	"	1970	ND	81.6	18-152				
2,4,6-Trichlorophenol	1730	197	"	1970	ND	88.1	12-138				
2,4,5-Trichlorophenol	1720	197	"	1970	ND	87.5	10-148				
Surrogate: 2-Fluorophenol	2710		"	2960		91.7	10-105				
Surrogate: Phenol-d5	2700		"	2960		91.3	10-118				
Surrogate: Nitrobenzene-d5	1560		"	1980		79.2	10-140				
Surrogate: 2-Fluorobiphenyl	1770		"	1970		89.9	10-126				
Surrogate: 2,4,6-Tribromophenol	2730		"	2960		92.5	30-130				
Surrogate: Terphenyl-d14	1750		"	1980		88.8	10-137				

Matrix Spike Dup (BI40724-MSD1)	*Source sample: 14I0505-03 (RSB/MW-15/14-15)					Prepared & Analyzed: 09/16/2014					
Acenaphthene	1820	197	ug/kg dry	1970	ND	92.3	13-133		4.55	30	
Acenaphthylene	1740	197	"	1970	ND	88.3	25-125		4.28	30	
Acetophenone	1040	197	"	1970	ND	53.1	25-105		9.58	30	
Anthracene	1860	197	"	1970	ND	94.3	27-128		3.38	30	
Atrazine	1160	197	"	1970	ND	59.1	10-139		13.4	30	
Benzaldehyde	1300	197	"	1970	ND	66.0	24-96		11.8	30	
Benzo(a)anthracene	1760	197	"	1970	ND	89.4	20-147		3.50	30	
Benzo(a)pyrene	1890	197	"	1970	ND	96.3	18-153		5.06	30	
Benzo(b)fluoranthene	1660	197	"	1970	ND	84.3	10-163		11.1	30	
Benzo(g,h,i)perylene	1910	197	"	1970	ND	96.9	10-157		9.25	30	
Benzo(k)fluoranthene	2040	197	"	1970	ND	104	10-157		8.97	30	
Benzyl butyl phthalate	1770	197	"	1970	ND	89.9	10-129		3.56	30	
1,1'-Biphenyl	1180	197	"	1970	ND	60.1	24-112		12.9	30	
4-Bromophenyl phenyl ether	1760	197	"	1970	ND	89.4	32-148		3.77	30	
Caprolactam	1080	197	"	1970	ND	54.8	10-100		17.2	30	
Carbazole	1790	197	"	1970	ND	90.7	24-139		3.98	30	
4-Chloro-3-methylphenol	1720	197	"	1970	ND	87.3	14-138		4.76	30	
4-Chloroaniline	1710	197	"	1970	ND	86.9	10-124		1.64	30	
Bis(2-chloroethoxy)methane	1820	197	"	1970	ND	92.7	12-128		0.581	30	
Bis(2-chloroethyl)ether	1560	197	"	1970	ND	79.5	18-113		5.20	30	
Bis(2-chloroisopropyl)ether	1750	197	"	1970	ND	88.8	10-130		1.25	30	
2-Chloronaphthalene	1810	197	"	1970	ND	92.1	31-116		4.09	30	
2-Chlorophenol	1500	197	"	1970	ND	76.1	28-114		6.29	30	
4-Chlorophenyl phenyl ether	1810	197	"	1970	ND	91.7	10-153		5.24	30	
Chrysene	1810	197	"	1970	ND	92.2	18-133		4.99	30	
Dibenzo(a,h)anthracene	1890	197	"	1970	ND	96.1	10-146		7.76	30	
Dibenzofuran	1760	197	"	1970	ND	89.4	26-134		4.01	30	
Di-n-butyl phthalate	1790	197	"	1970	ND	91.1	20-128		3.64	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40724 - EPA 3550C

Matrix Spike Dup (BI40724-MSD1)		*Source sample: 14I0505-03 (RSB/MW-15/14-15)					Prepared & Analyzed: 09/16/2014				
3,3'-Dichlorobenzidine	2030	393	ug/kg dry	1970	ND	103	10-134		2.37	30	
2,4-Dichlorophenol	1730	197	"	1970	ND	87.9	16-144		0.159	30	
Diethyl phthalate	1790	197	"	1970	ND	90.9	30-119		4.35	30	
2,4-Dimethylphenol	1690	197	"	1970	ND	86.0	11-133		1.74	30	
Dimethyl phthalate	1900	197	"	1970	ND	96.8	34-120		5.33	30	
4,6-Dinitro-2-methylphenol	1940	197	"	1970	ND	98.7	10-149		2.97	30	
2,4-Dinitrophenol	2100	394	"	1970	ND	107	10-132		2.32	30	
2,4-Dinitrotoluene	2020	197	"	1970	440	80.1	42-113		4.45	30	
2,6-Dinitrotoluene	1860	197	"	1970	ND	94.6	36-124		4.89	30	
Di-n-octyl phthalate	1770	197	"	1970	ND	89.8	10-133		5.18	30	
Bis(2-ethylhexyl)phthalate	2040	197	"	1970	ND	104	10-138		4.33	30	
Fluoranthene	1820	197	"	1970	ND	92.4	10-155		4.40	30	
Fluorene	1830	197	"	1970	ND	93.2	12-150		4.26	30	
Hexachlorobenzene	1780	197	"	1970	ND	90.7	16-142		4.02	30	
Hexachlorobutadiene	1570	197	"	1970	ND	79.7	11-150		3.64	30	
Hexachlorocyclopentadiene	1570	197	"	1970	ND	79.9	10-115		8.23	30	
Hexachloroethane	1480	197	"	1970	ND	75.2	14-106		0.668	30	
Indeno(1,2,3-cd)pyrene	1840	197	"	1970	ND	93.5	10-155		8.12	30	
Isophorone	1740	197	"	1970	ND	88.3	14-127		0.181	30	
2-Methylnaphthalene	1700	197	"	1970	ND	86.4	10-143		4.32	30	
2-Methylphenol	1450	197	"	1970	ND	73.7	10-160		3.73	30	
3- & 4-Methylphenols	1440	197	"	1970	ND	73.0	16-115		0.356	30	
Naphthalene	1760	197	"	1970	ND	89.5	15-132		4.14	30	
4-Nitroaniline	1920	197	"	1970	ND	97.6	10-151		3.34	30	
2-Nitroaniline	1900	197	"	1970	ND	96.5	33-122		5.25	30	
3-Nitroaniline	1810	197	"	1970	ND	92.1	24-128		4.29	30	
Nitrobenzene	1560	197	"	1970	ND	79.2	18-125		0.151	30	
2-Nitrophenol	1660	197	"	1970	ND	84.6	12-127		0.0709	30	
4-Nitrophenol	1650	197	"	1970	ND	83.9	10-141		6.50	30	
N-nitroso-di-n-propylamine	1590	197	"	1970	ND	80.7	23-115		0.596	30	
N-Nitrosodiphenylamine	1960	197	"	1970	ND	99.7	16-166		3.56	30	
Pentachlorophenol	1640	197	"	1970	ND	83.3	10-160		3.95	30	
Phenanthrene	1910	197	"	1970	ND	97.0	10-151		4.48	30	
Phenol	1420	197	"	1970	ND	72.0	11-124		6.68	30	
Pyrene	1830	197	"	1970	ND	92.8	13-148		3.62	30	
1,2,4,5-Tetrachlorobenzene	1510	197	"	1970	ND	76.8	18-152		6.01	30	
2,4,6-Trichlorophenol	1660	197	"	1970	ND	84.1	12-138		4.64	30	
2,4,5-Trichlorophenol	1660	197	"	1970	ND	84.2	10-148		3.77	30	
Surrogate: 2-Fluorophenol	2630		"	2960		88.8	10-105				
Surrogate: Phenol-d5	2640		"	2960		89.1	10-118				
Surrogate: Nitrobenzene-d5	1610		"	1980		81.6	10-140				
Surrogate: 2-Fluorobiphenyl	1740		"	1970		88.5	10-126				
Surrogate: 2,4,6-Tribromophenol	2730		"	2960		92.2	30-130				
Surrogate: Terphenyl-d14	1750		"	1980		88.4	10-137				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40731 - EPA 3510C

Blank (BI40731-BLK1)

Prepared & Analyzed: 09/16/2014

Acenaphthene	ND	0.0500	ug/L
Acenaphthylene	ND	0.0500	"
Acetophenone	ND	5.00	"
Anthracene	ND	0.0500	"
Atrazine	ND	0.500	"
Benzaldehyde	ND	5.00	"
Benzo(a)anthracene	ND	0.0500	"
Benzo(a)pyrene	ND	0.0500	"
Benzo(b)fluoranthene	ND	0.0500	"
Benzo(g,h,i)perylene	ND	0.0500	"
Benzo(k)fluoranthene	ND	0.0500	"
Benzyl butyl phthalate	ND	5.00	"
1,1'-Biphenyl	ND	5.00	"
4-Bromophenyl phenyl ether	ND	5.00	"
Caprolactam	ND	5.00	"
Carbazole	ND	5.00	"
4-Chloro-3-methylphenol	ND	5.00	"
4-Chloroaniline	ND	5.00	"
Bis(2-chloroethoxy)methane	ND	5.00	"
Bis(2-chloroethyl)ether	ND	5.00	"
Bis(2-chloroisopropyl)ether	ND	5.00	"
2-Chloronaphthalene	ND	5.00	"
2-Chlorophenol	ND	5.00	"
4-Chlorophenyl phenyl ether	ND	5.00	"
Chrysene	ND	0.0500	"
Dibenzo(a,h)anthracene	ND	0.0500	"
Dibenzofuran	ND	5.00	"
Di-n-butyl phthalate	ND	5.00	"
3,3'-Dichlorobenzidine	ND	5.00	"
2,4-Dichlorophenol	ND	5.00	"
Diethyl phthalate	ND	5.00	"
2,4-Dimethylphenol	ND	5.00	"
Dimethyl phthalate	ND	5.00	"
4,6-Dinitro-2-methylphenol	ND	5.00	"
2,4-Dinitrophenol	ND	5.00	"
2,4-Dinitrotoluene	ND	5.00	"
2,6-Dinitrotoluene	ND	5.00	"
Di-n-octyl phthalate	ND	5.00	"
Bis(2-ethylhexyl)phthalate	ND	0.500	"
Fluoranthene	ND	0.0500	"
Fluorene	ND	0.0500	"
Hexachlorobenzene	ND	0.0200	"
Hexachlorobutadiene	ND	0.500	"
Hexachlorocyclopentadiene	ND	5.00	"
Hexachloroethane	ND	0.500	"
Indeno(1,2,3-cd)pyrene	ND	0.0500	"
Isophorone	ND	5.00	"
2-Methylnaphthalene	ND	5.00	"
2-Methylphenol	ND	5.00	"
3- & 4-Methylphenols	ND	5.00	"
Naphthalene	ND	0.0500	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40731 - EPA 3510C

Blank (BI40731-BLK1)

Prepared & Analyzed: 09/16/2014

3-Nitroaniline	ND	5.00	ug/L								
4-Nitroaniline	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
Nitrobenzene	ND	0.250	"								
4-Nitrophenol	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
Surrogate: 2-Fluorophenol	67.7		"	75.2		90.0	10-53				
Surrogate: Phenol-d5	66.5		"	75.2		88.5	10-39				
Surrogate: Nitrobenzene-d5	47.5		"	50.2		94.6	10-120				
Surrogate: 2-Fluorobiphenyl	40.7		"	50.0		81.4	10-108				
Surrogate: 2,4,6-Tribromophenol	54.6		"	75.1		72.7	10-150				
Surrogate: Terphenyl-d14	42.2		"	50.2		84.0	10-143				

LCS (BI40731-BS1)

Prepared & Analyzed: 09/16/2014

Acenaphthene	53.8	0.0500	ug/L	50.0		108	24-114				
Acenaphthylene	51.3	0.0500	"	50.0		103	26-112				
Acetophenone	35.1	5.00	"	50.0		70.1	47-92				
Anthracene	53.0	0.0500	"	50.0		106	35-114				
Atrazine	41.0	0.500	"	50.0		82.1	43-101				
Benzaldehyde	33.5	5.00	"	50.0		66.9	17-117				
Benzo(a)anthracene	47.7	0.0500	"	50.0		95.4	38-127				
Benzo(a)pyrene	47.8	0.0500	"	50.0		95.5	30-146				
Benzo(b)fluoranthene	52.2	0.0500	"	50.0		104	36-145				
Benzo(g,h,i)perylene	45.5	0.0500	"	50.0		90.9	10-163				
Benzo(k)fluoranthene	50.2	0.0500	"	50.0		100	16-149				
Benzyl butyl phthalate	48.6	5.00	"	50.0		97.2	28-129				
1,1'-Biphenyl	38.4	5.00	"	50.0		76.7	21-102				
4-Bromophenyl phenyl ether	49.0	5.00	"	50.0		98.0	38-116				
Caprolactam	40.8	5.00	"	50.0		81.7	10-29	High Bias			
Carbazole	49.5	5.00	"	50.0		98.9	49-116				
4-Chloro-3-methylphenol	52.2	5.00	"	50.0		104	28-101	High Bias			
4-Chloroaniline	38.9	5.00	"	50.0		77.9	10-154				
Bis(2-chloroethoxy)methane	55.8	5.00	"	50.0		112	27-112				
Bis(2-chloroethyl)ether	47.8	5.00	"	50.0		95.5	24-114				
Bis(2-chloroisopropyl)ether	65.2	5.00	"	50.0		130	21-124	High Bias			
2-Chloronaphthalene	50.1	5.00	"	50.0		100	40-96	High Bias			
2-Chlorophenol	41.6	5.00	"	50.0		83.1	35-84				
4-Chlorophenyl phenyl ether	53.2	5.00	"	50.0		106	34-112				
Chrysene	51.3	0.0500	"	50.0		103	33-120				
Dibenzo(a,h)anthracene	46.6	0.0500	"	50.0		93.1	10-149				
Dibenzofuran	49.8	5.00	"	50.0		99.7	42-105				
Di-n-butyl phthalate	48.9	5.00	"	50.0		97.8	36-110				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI40731 - EPA 3510C											
LCS (BI40731-BS1)						Prepared & Analyzed: 09/16/2014					
3,3'-Dichlorobenzidine	53.8	5.00	ug/L	50.0		108	25-155				
2,4-Dichlorophenol	50.2	5.00	"	50.0		100	43-92	High Bias			
Diethyl phthalate	51.6	5.00	"	50.0		103	38-112				
2,4-Dimethylphenol	49.8	5.00	"	50.0		99.6	25-92	High Bias			
Dimethyl phthalate	49.2	5.00	"	50.0		98.3	49-106				
4,6-Dinitro-2-methylphenol	53.7	5.00	"	50.0		107	10-135				
2,4-Dinitrophenol	57.5	5.00	"	50.0		115	10-149				
2,4-Dinitrotoluene	53.0	5.00	"	50.0		106	41-114				
2,6-Dinitrotoluene	52.5	5.00	"	50.0		105	49-106				
Di-n-octyl phthalate	50.4	5.00	"	50.0		101	12-149				
Bis(2-ethylhexyl)phthalate	52.2	0.500	"	50.0		104	10-171				
Fluoranthene	50.5	0.0500	"	50.0		101	33-126				
Fluorene	56.8	0.0500	"	50.0		114	28-117				
Hexachlorobenzene	49.1	0.0200	"	50.0		98.2	27-120				
Hexachlorobutadiene	52.5	0.500	"	50.0		105	25-106				
Hexachlorocyclopentadiene	46.6	5.00	"	50.0		93.2	10-99				
Hexachloroethane	46.2	0.500	"	50.0		92.5	33-84	High Bias			
Indeno(1,2,3-cd)pyrene	45.0	0.0500	"	50.0		90.0	10-150				
Isophorone	51.9	5.00	"	50.0		104	29-115				
2-Methylnaphthalene	57.4	5.00	"	50.0		115	33-101	High Bias			
2-Methylphenol	45.4	5.00	"	50.0		90.8	10-90	High Bias			
3- & 4-Methylphenols	41.0	5.00	"	50.0		82.0	10-101				
Naphthalene	55.5	0.0500	"	50.0		111	30-99	High Bias			
3-Nitroaniline	45.2	5.00	"	50.0		90.5	29-128				
4-Nitroaniline	45.7	5.00	"	50.0		91.3	15-143				
2-Nitroaniline	45.9	5.00	"	50.0		91.8	31-122				
Nitrobenzene	54.9	0.250	"	50.0		110	32-113				
4-Nitrophenol	49.2	5.00	"	50.0		98.5	10-112				
2-Nitrophenol	47.4	5.00	"	50.0		94.7	37-97				
N-nitroso-di-n-propylamine	48.5	5.00	"	50.0		97.0	36-118				
N-Nitrosodiphenylamine	61.2	5.00	"	50.0		122	27-145				
Pentachlorophenol	56.2	0.250	"	50.0		112	19-127				
Phenanthrene	55.3	0.0500	"	50.0		111	31-112				
Phenol	50.5	5.00	"	50.0		101	10-37	High Bias			
Pyrene	51.0	0.0500	"	50.0		102	42-125				
1,2,4,5-Tetrachlorobenzene	38.6	5.00	"	50.0		77.1	28-105				
2,4,6-Trichlorophenol	44.0	5.00	"	50.0		88.0	41-107				
2,4,5-Trichlorophenol	43.7	5.00	"	50.0		87.4	36-112				
Surrogate: 2-Fluorophenol	73.9		"	75.2		98.3	10-53				
Surrogate: Phenol-d5	81.6		"	75.2		109	10-39				
Surrogate: Nitrobenzene-d5	51.9		"	50.2		103	10-120				
Surrogate: 2-Fluorobiphenyl	48.5		"	50.0		97.0	10-108				
Surrogate: 2,4,6-Tribromophenol	71.2		"	75.1		94.9	10-150				
Surrogate: Terphenyl-d14	45.6		"	50.2		90.7	10-143				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI40731 - EPA 3510C											
LCS (BI40731-BS2)						Prepared & Analyzed: 09/16/2014					
Acenaphthene	0.800	0.0500	ug/L	1.00		80.0	24-114				
Acenaphthylene	0.880	0.0500	"	1.00		88.0	26-112				
Acetophenone	ND	5.00	"				47-92				
Anthracene	0.660	0.0500	"	1.00		66.0	35-114				
Atrazine	ND	0.500	"				43-101				
Benzaldehyde	ND	5.00	"				17-117				
Benzo(a)anthracene	0.870	0.0500	"	1.00		87.0	38-127				
Benzo(a)pyrene	0.870	0.0500	"	1.00		87.0	30-146				
Benzo(b)fluoranthene	1.16	0.0500	"	1.00		116	36-145				
Benzo(g,h,i)perylene	1.03	0.0500	"	1.00		103	10-163				
Benzo(k)fluoranthene	0.720	0.0500	"	1.00		72.0	16-149				
Benzyl butyl phthalate	ND	5.00	"				28-129				
1,1'-Biphenyl	ND	5.00	"				21-102				
4-Bromophenyl phenyl ether	ND	5.00	"				38-116				
Caprolactam	ND	5.00	"				10-29				
Carbazole	ND	5.00	"				49-116				
4-Chloro-3-methylphenol	ND	5.00	"				28-101				
4-Chloroaniline	ND	5.00	"				10-154				
Bis(2-chloroethoxy)methane	ND	5.00	"				27-112				
Bis(2-chloroethyl)ether	ND	5.00	"				24-114				
Bis(2-chloroisopropyl)ether	ND	5.00	"				21-124				
2-Chloronaphthalene	ND	5.00	"				40-96				
2-Chlorophenol	ND	5.00	"				35-84				
4-Chlorophenyl phenyl ether	ND	5.00	"				34-112				
Chrysene	0.780	0.0500	"	1.00		78.0	33-120				
Dibenzo(a,h)anthracene	1.07	0.0500	"	1.00		107	10-149				
Dibenzofuran	ND	5.00	"				42-105				
Di-n-butyl phthalate	ND	5.00	"				36-110				
3,3'-Dichlorobenzidine	ND	5.00	"				25-155				
2,4-Dichlorophenol	ND	5.00	"				43-92				
Diethyl phthalate	ND	5.00	"				38-112				
2,4-Dimethylphenol	ND	5.00	"				25-92				
Dimethyl phthalate	ND	5.00	"				49-106				
4,6-Dinitro-2-methylphenol	ND	5.00	"				10-135				
2,4-Dinitrophenol	ND	5.00	"				10-149				
2,4-Dinitrotoluene	ND	5.00	"				41-114				
2,6-Dinitrotoluene	ND	5.00	"				49-106				
Di-n-octyl phthalate	ND	5.00	"				12-149				
Bis(2-ethylhexyl)phthalate	ND	0.500	"				10-171				
Fluoranthene	1.01	0.0500	"	1.00		101	33-126				
Fluorene	0.920	0.0500	"	1.00		92.0	28-117				
Hexachlorobenzene	ND	0.0200	"				27-120				
Hexachlorobutadiene	ND	0.500	"				25-106				
Hexachlorocyclopentadiene	ND	5.00	"				10-99				
Hexachloroethane	ND	0.500	"				33-84				
Indeno(1,2,3-cd)pyrene	1.07	0.0500	"	1.00		107	10-150				
Isophorone	ND	5.00	"				29-115				
2-Methylnaphthalene	ND	5.00	"				33-101				
2-Methylphenol	ND	5.00	"				10-90				
3- & 4-Methylphenols	ND	5.00	"				10-101				
Naphthalene	1.01	0.0500	"	1.00		101	30-99	High Bias			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BI40731 - EPA 3510C

LCS (BI40731-BS2)

Prepared & Analyzed: 09/16/2014

3-Nitroaniline	ND	5.00	ug/L				29-128				
4-Nitroaniline	ND	5.00	"				15-143				
2-Nitroaniline	ND	5.00	"				31-122				
Nitrobenzene	ND	0.250	"				32-113				
4-Nitrophenol	ND	5.00	"				10-112				
2-Nitrophenol	ND	5.00	"				37-97				
N-nitroso-di-n-propylamine	ND	5.00	"				36-118				
N-Nitrosodiphenylamine	ND	5.00	"				27-145				
Pentachlorophenol	ND	0.250	"				19-127				
Phenanthrene	0.800	0.0500	"	1.00		80.0	31-112				
Phenol	ND	5.00	"				10-37				
Pyrene	0.760	0.0500	"	1.00		76.0	42-125				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				28-105				
2,4,6-Trichlorophenol	ND	5.00	"				41-107				
2,4,5-Trichlorophenol	ND	5.00	"				36-112				

LCS Dup (BI40731-BSD1)

Prepared & Analyzed: 09/16/2014

Acenaphthene	48.2	0.0500	ug/L	50.0		96.4	24-114		11.1	20	
Acenaphthylene	46.0	0.0500	"	50.0		92.1	26-112		10.8	20	
Acetophenone	32.8	5.00	"	50.0		65.6	47-92		6.72	20	
Anthracene	48.7	0.0500	"	50.0		97.5	35-114		8.43	20	
Atrazine	38.3	0.500	"	50.0		76.7	43-101		6.83	20	
Benzaldehyde	32.0	5.00	"	50.0		63.9	17-117		4.55	20	
Benzo(a)anthracene	44.3	0.0500	"	50.0		88.5	38-127		7.50	20	
Benzo(a)pyrene	44.0	0.0500	"	50.0		88.0	30-146		8.20	20	
Benzo(b)fluoranthene	48.0	0.0500	"	50.0		96.1	36-145		8.24	20	
Benzo(g,h,i)perylene	42.4	0.0500	"	50.0		84.9	10-163		6.85	20	
Benzo(k)fluoranthene	49.4	0.0500	"	50.0		98.9	16-149		1.51	20	
Benzyl butyl phthalate	44.8	5.00	"	50.0		89.7	28-129		8.01	20	
1,1'-Biphenyl	35.8	5.00	"	50.0		71.6	21-102		6.99	20	
4-Bromophenyl phenyl ether	45.8	5.00	"	50.0		91.5	38-116		6.88	20	
Caprolactam	37.3	5.00	"	50.0		74.6	10-29	High Bias	9.06	20	
Carbazole	45.8	5.00	"	50.0		91.6	49-116		7.75	20	
4-Chloro-3-methylphenol	45.6	5.00	"	50.0		91.2	28-101		13.6	20	
4-Chloroaniline	35.5	5.00	"	50.0		71.0	10-154		9.24	20	
Bis(2-chloroethoxy)methane	48.6	5.00	"	50.0		97.3	27-112		13.7	20	
Bis(2-chloroethyl)ether	46.7	5.00	"	50.0		93.4	24-114		2.29	20	
Bis(2-chloroisopropyl)ether	57.8	5.00	"	50.0		116	21-124		12.0	20	
2-Chloronaphthalene	45.1	5.00	"	50.0		90.2	40-96		10.5	20	
2-Chlorophenol	37.2	5.00	"	50.0		74.5	35-84		10.9	20	
4-Chlorophenyl phenyl ether	47.5	5.00	"	50.0		95.0	34-112		11.3	20	
Chrysene	46.5	0.0500	"	50.0		93.0	33-120		9.79	20	
Dibenzo(a,h)anthracene	43.4	0.0500	"	50.0		86.7	10-149		7.12	20	
Dibenzofuran	45.0	5.00	"	50.0		89.9	42-105		10.3	20	
Di-n-butyl phthalate	44.9	5.00	"	50.0		89.7	36-110		8.58	20	
3,3'-Dichlorobenzidine	50.0	5.00	"	50.0		100	25-155		7.15	20	
2,4-Dichlorophenol	45.5	5.00	"	50.0		91.0	43-92		9.85	20	
Diethyl phthalate	46.4	5.00	"	50.0		92.7	38-112		10.6	20	
2,4-Dimethylphenol	44.0	5.00	"	50.0		88.1	25-92		12.3	20	
Dimethyl phthalate	44.1	5.00	"	50.0		88.2	49-106		10.8	20	
4,6-Dinitro-2-methylphenol	50.3	5.00	"	50.0		101	10-135		6.52	20	
2,4-Dinitrophenol	53.4	5.00	"	50.0		107	10-149		7.40	20	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI40731 - EPA 3510C											
LCS Dup (BI40731-BSD1)						Prepared & Analyzed: 09/16/2014					
2,4-Dinitrotoluene	48.5	5.00	ug/L	50.0		97.1	41-114		8.75	20	
2,6-Dinitrotoluene	47.4	5.00	"	50.0		94.9	49-106		10.2	20	
Di-n-octyl phthalate	46.4	5.00	"	50.0		92.7	12-149		8.35	20	
Bis(2-ethylhexyl)phthalate	47.5	0.500	"	50.0		94.9	10-171		9.51	20	
Fluoranthene	46.2	0.0500	"	50.0		92.4	33-126		8.88	20	
Fluorene	50.9	0.0500	"	50.0		102	28-117		11.1	20	
Hexachlorobenzene	43.8	0.0200	"	50.0		87.6	27-120		11.5	20	
Hexachlorobutadiene	47.2	0.500	"	50.0		94.4	25-106		10.7	20	
Hexachlorocyclopentadiene	41.8	5.00	"	50.0		83.5	10-99		10.9	20	
Hexachloroethane	42.0	0.500	"	50.0		84.1	33-84	High Bias	9.54	20	
Indeno(1,2,3-cd)pyrene	42.2	0.0500	"	50.0		84.4	10-150		6.47	20	
Isophorone	46.4	5.00	"	50.0		92.8	29-115		11.2	20	
2-Methylnaphthalene	50.5	5.00	"	50.0		101	33-101		12.9	20	
2-Methylphenol	40.7	5.00	"	50.0		81.4	10-90		10.9	20	
3- & 4-Methylphenols	37.2	5.00	"	50.0		74.3	10-101		9.88	20	
Naphthalene	49.9	0.0500	"	50.0		99.8	30-99	High Bias	10.6	20	
3-Nitroaniline	40.5	5.00	"	50.0		80.9	29-128		11.2	20	
4-Nitroaniline	39.6	5.00	"	50.0		79.2	15-143		14.2	20	
2-Nitroaniline	42.4	5.00	"	50.0		84.7	31-122		8.00	20	
Nitrobenzene	48.6	0.250	"	50.0		97.2	32-113		12.3	20	
4-Nitrophenol	43.2	5.00	"	50.0		86.5	10-112		13.0	20	
2-Nitrophenol	42.5	5.00	"	50.0		85.0	37-97		10.7	20	
N-nitroso-di-n-propylamine	43.5	5.00	"	50.0		86.9	36-118		11.0	20	
N-Nitrosodiphenylamine	56.2	5.00	"	50.0		112	27-145		8.50	20	
Pentachlorophenol	51.7	0.250	"	50.0		103	19-127		8.31	20	
Phenanthrene	50.8	0.0500	"	50.0		102	31-112		8.41	20	
Phenol	44.8	5.00	"	50.0		89.7	10-37	High Bias	11.8	20	
Pyrene	46.9	0.0500	"	50.0		93.9	42-125		8.23	20	
1,2,4,5-Tetrachlorobenzene	34.2	5.00	"	50.0		68.5	28-105		11.9	20	
2,4,6-Trichlorophenol	40.6	5.00	"	50.0		81.1	41-107		8.18	20	
2,4,5-Trichlorophenol	40.4	5.00	"	50.0		80.7	36-112		7.99	20	
<i>Surrogate: 2-Fluorophenol</i>	68.2		"	75.2		90.8	10-53				
<i>Surrogate: Phenol-d5</i>	75.6		"	75.2		101	10-39				
<i>Surrogate: Nitrobenzene-d5</i>	46.5		"	50.2		92.6	10-120				
<i>Surrogate: 2-Fluorobiphenyl</i>	43.6		"	50.0		87.2	10-108				
<i>Surrogate: 2,4,6-Tribromophenol</i>	66.1		"	75.1		88.1	10-150				
<i>Surrogate: Terphenyl-d14</i>	42.9		"	50.2		85.4	10-143				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC Limits	Flag	RPD Limit	Flag

Batch BI40903 - % Solids Prep

Duplicate (BI40903-DUP1)		*Source sample: 14I0505-03 (RSB/MW-15/14-15)					Prepared & Analyzed: 09/18/2014				
% Solids	84.8	0.100	%		84.7			0.149	20		



Volatile Analysis Sample Containers

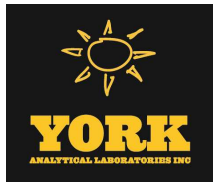
Lab ID	Client Sample ID	Volatile Sample Container
14I0505-01	RSB/MW-15/4-5	40mL Vial with Stir Bar-Cool 4° C
14I0505-02	RSB/MW-15/10-11	40mL Vial with Stir Bar-Cool 4° C
14I0505-03	RSB/MW-15/14-15	40mL Vial with Stir Bar-Cool 4° C
14I0505-04	RSB/MW-14/12-14	40mL Vial with Stir Bar-Cool 4° C
14I0505-05	RSB/MW-14/17-18	40mL Vial with Stir Bar-Cool 4° C
14I0505-06	FB091014	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0505-07	TB091014	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
14I0505-08	DUP091014	40mL Vial with Stir Bar-Cool 4° C
14I0505-09	RSB/MW-17/1-3	40mL Vial with Stir Bar-Cool 4° C
14I0505-10	RSB/MW-17/13-15	40mL Vial with Stir Bar-Cool 4° C
14I0505-11	RSB/MW-17/17-18	40mL Vial with Stir Bar-Cool 4° C



Notes and Definitions

S-08	The recovery of this surrogate was outside of QC limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
JN	The Tentatively Identified Compound reported indicates the presence of an possible analyte or class of analyte that has been 'tentatively identified' and the associated numerical value represents its estimated concentration.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ISTD-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
GC-20	Pattern is similar to Motor Oil
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Cal-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20% AND correlation coefficient <0.990 for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <10x the blank value as artifact.

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.



Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.



YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

Page 1 of 7

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 470505

YOUR Information Company: <u>ROUX</u> Address: <u>209 Shafter</u> Phone No. <u>631-232-2600</u> Contact Person: <u>Wendy</u> E-Mail Address:		Report To: Company: <u>Sone</u> Address: Phone No. Attention: E-Mail Address:		Invoice To: Company: <u>Sone</u> Address: Phone No. Attention: E-Mail Address:		YOUR Project ID <u>15750002</u> Purchase Order No. Samples from: CT <u>X</u> NY <u>X</u> NJ		Turn-Around Time RUSH - Same Day ☐ RUSH - Next Day ☐ RUSH - Two Day ☐ RUSH - Three Day ☐ RUSH - Four Day ☐ Standard(5-7 Days) ☒		Report Type Summary Report ☐ Summary w/ QA Summary ☐ CT RCP Package ☐ CTRCP DQA/DUE Pkg ☐ NY ASP A Package ☐ NY ASP B Package ☒ NJDEP Red. Deliv. ☐ Electronic Data Deliverables (EDD)	

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Matrix Codes
 S - soil
 Other - specify (oil, etc.)
 WW - wastewater
 GW - groundwater
 DW - drinking water
 Air-A - ambient air
 Air-SV - soil vapor

Samples Collected/Authorized By (Signature)
Joe Gavin
 Name (printed)

Volatiles	Semi-Vols.	Metals	Misc. Org.	Full Lists	Misc.
8260 full 624 STARS list BTEX MTBE TCL list TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list	8270 & 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NIDEF list TCLP BNA SPLP & TCLP	RCA8 PP13 list TAL CTM15 list TAGM list NIDEF list Total Dissolved SPLP & TCLP Ind. Metals LIST Below	TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Helium	Ph. Poll. TCL Ognais TAL MetCN Full TCLP Full App. IX Part 360 Routine Part 360 Baseline Part 360 Extended Part 360 Special NYCDEP Sewer NYSDDEC Sewer TAGM	Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterotrophs TOX BTU/lb. Aquatic Tox. TOC Asbestos Silica

Choose Analyses Needed from the Menu Above and Enter Below

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
RSB/mw-15/4-5	9/10/14-820	S	8260c; 8270D	
RSB/mw-15/10-11	9/10/14-832	S	8260c; 8270D	
RSB/mw-15/14-15	9/10/14-835	S	8260c; 8270D	
RSB/mw-15/14-15ms	9/10/14-840	S	8260c; 8270D	MS @ RSB/mw-15 14-15
RSB/mw-15/14-15ms	9/10/14-845	S	8260c; 8270D	MS @ RSB/mw-15 14-15
RSB/mw-15/12-14	9/10/14-925	S	8260c; 8270D	
RSB/mw-14/17-18	9/10/14-935	S	8260c; 8270D	
KR091014	9/10/14-1200	water	8260c; 8270D	
TRIP BLANK	Lab	water	8260c	
DUP091014	9/10/14-1200	S	8260c; 8270D	

Preservation Check those Applicable Special Instructions Field Filtered ☐ Lab to Filter ☐	4°C ☐ Frozen ☐ HCl ☐ MeOH ☐ Ascorbic Acid ☐ ZnAc ☐ HNO ₃ ☐ H ₂ O ☐ NaOH ☐ Other ☐	Temperature on Receipt <u>3.4°C</u>
	Samples Relinquished By <u>Msgr</u> Date/Time <u>9/11/14 11:40</u> Samples Relinquished By <u>Msgr</u> Date/Time <u>9-11-14 1735</u>	Samples Received in LAB by <u>Msgr</u> Date/Time <u>9-11-14 1735</u>



YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

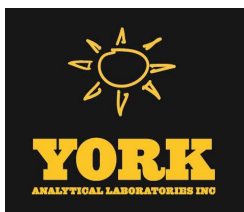
NOTE: York's Std. Terms & Conditions are listed on the back side of this document.

This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No.

Page 2 of 2

[illegible]



Technical Report

prepared for:

Roux Associates
209 Shafter St
Islandia NY, 11749
Attention: Wendy Monterosso

Report Date: 09/23/2014
Client Project ID: 1575.00024
York Project (SDG) No.: 14I0669

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/23/2014
Client Project ID: 1575.00024
York Project (SDG) No.: 14I0669

Roux Associates
209 Shafter St
Islandia NY, 11749
Attention: Wendy Monterosso

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 16, 2014 and listed below. The project was identified as your project: **1575.00024**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
14I0669-01	MW-15	Oil	09/15/2014	09/16/2014
14I0669-02	MW-17	Oil	09/15/2014	09/16/2014

General Notes for York Project (SDG) No.: 14I0669

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 09/23/2014





Sample Information

Client Sample ID: MW-15

York Sample ID: 14I0669-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0669

1575.00024

Oil

September 15, 2014 11:45 am

09/16/2014

Petroleum Hydrocarbon Identification

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Petroleum Identification	Pattern is similar to Motor Oil		ID only			1	NYSDOH 310-14	09/22/2014 16:37	09/23/2014 12:08	JW

Sample Information

Client Sample ID: MW-17

York Sample ID: 14I0669-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0669

1575.00024

Oil

September 15, 2014 12:00 pm

09/16/2014

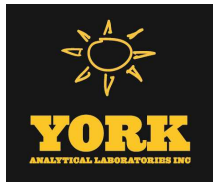
Petroleum Hydrocarbon Identification

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Petroleum Identification	Pattern is similar to Motor Oil		ID only			1	NYSDOH 310-14	09/22/2014 16:37	09/23/2014 12:08	JW



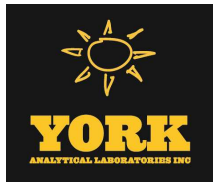
Analytical Batch Summary

Batch ID: BI41113

Preparation Method: Oil Preparation for GC

Prepared By: JW

YORK Sample ID	Client Sample ID	Preparation Date
14I0669-01	MW-15	09/22/14
14I0669-02	MW-17	09/22/14



Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag



Notes and Definitions

GC-20 Pattern is similar to Motor Oil

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.

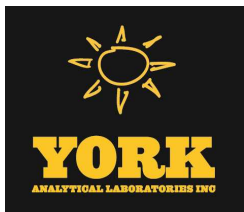
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.



Technical Report

prepared for:

Roux Associates
209 Shafter St
Islandia NY, 11749
Attention: Wendy Monterosso

Report Date: 09/29/2014
Client Project ID: 1575.0002Y
York Project (SDG) No.: 14I0899

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 09/29/2014
Client Project ID: 1575.0002Y
York Project (SDG) No.: 14I0899

Roux Associates
209 Shafter St
Islandia NY, 11749
Attention: Wendy Monterosso

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 22, 2014 and listed below. The project was identified as your project: **1575.0002Y**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
14I0899-01	MW-13	Oil	09/19/2014	09/22/2014
14I0899-02	MW-8	Oil	09/19/2014	09/22/2014
14I0899-03	MW-10	Oil	09/19/2014	09/22/2014
14I0899-04	MW-14	Oil	09/19/2014	09/22/2014
14I0899-05	MW-16	Oil	09/19/2014	09/22/2014

General Notes for York Project (SDG) No.: 14I0899

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 09/29/2014





Sample Information

Client Sample ID: MW-13

York Sample ID: 14I0899-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0899

1575.0002Y

Oil

September 19, 2014 8:40 am

09/22/2014

Petroleum Hydrocarbon Identification

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Petroleum Identification		Pattern is similar to Motor Oil		ID only			1	NYSDOH 310-14	09/26/2014 09:58	09/29/2014 09:39	JW

Sample Information

Client Sample ID: MW-8

York Sample ID: 14I0899-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0899

1575.0002Y

Oil

September 19, 2014 9:10 am

09/22/2014

Petroleum Hydrocarbon Identification

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Petroleum Identification		Pattern is similar to Motor Oil		ID only			1	NYSDOH 310-14	09/26/2014 09:58	09/29/2014 09:39	JW

Sample Information

Client Sample ID: MW-10

York Sample ID: 14I0899-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

14I0899

1575.0002Y

Oil

September 19, 2014 10:20 am

09/22/2014

Petroleum Hydrocarbon Identification

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
* Petroleum Identification		Pattern is similar to Motor Oil		ID only			1	NYSDOH 310-14	09/26/2014 09:58	09/29/2014 09:39	JW



Sample Information

Client Sample ID: MW-14

York Sample ID: 14I0899-04

York Project (SDG) No.
14I0899

Client Project ID
1575.0002Y

Matrix
Oil

Collection Date/Time
September 19, 2014 12:40 pm

Date Received
09/22/2014

Petroleum Hydrocarbon Identification

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Petroleum Identification	Pattern is similar to Motor Oil		ID only			1	NYSDOH 310-14	09/26/2014 09:58	09/29/2014 09:39	JW

Sample Information

Client Sample ID: MW-16

York Sample ID: 14I0899-05

York Project (SDG) No.
14I0899

Client Project ID
1575.0002Y

Matrix
Oil

Collection Date/Time
September 19, 2014 12:50 pm

Date Received
09/22/2014

Petroleum Hydrocarbon Identification

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Petroleum Identification	Pattern is similar to Motor Oil		ID only			1	NYSDOH 310-14	09/26/2014 09:58	09/29/2014 09:39	JW



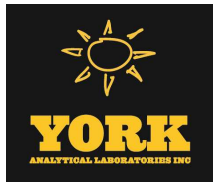
Analytical Batch Summary

Batch ID: BI41356

Preparation Method: Oil Preparation for GC

Prepared By: JW

YORK Sample ID	Client Sample ID	Preparation Date
14I0899-01	MW-13	09/26/14
14I0899-02	MW-8	09/26/14
14I0899-03	MW-10	09/26/14
14I0899-04	MW-14	09/26/14
14I0899-05	MW-16	09/26/14



Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag



Notes and Definitions

GC-20 Pattern is similar to Motor Oil

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
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LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
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If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

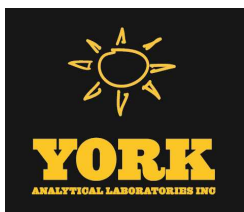
Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 14/I 0899

[illegible]



Technical Report

prepared for:

Roux Associates
209 Shafter St
Islandia NY, 11749
Attention: Wendy Monterosso

Report Date: 05/19/2015
Client Project ID: 1575.0024000
York Project (SDG) No.: 15E0415

CT Cert. No. PH-0723

New Jersey Cert. No. CT-005



New York Cert. No. 10854

PA Cert. No. 68-04440

Report Date: 05/19/2015
Client Project ID: 1575.0024000
York Project (SDG) No.: 15E0415

Roux Associates
209 Shafter St
Islandia NY, 11749
Attention: Wendy Monterosso

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 12, 2015 and listed below. The project was identified as your project: **1575.0024000**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
15E0415-01	MW-12	Oil	05/11/2015	05/12/2015
15E0415-02	MW-21	Oil	05/11/2015	05/12/2015
15E0415-03	MW-18	Oil	05/11/2015	05/12/2015

General Notes for York Project (SDG) No.: 15E0415

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 05/19/2015





Sample Information

Client Sample ID: MW-12

York Sample ID: 15E0415-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15E0415

1575.0024000

Oil

May 11, 2015 8:35 am

05/12/2015

Petroleum Identification

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Petroleum Identification	Pattern is similar to Motor Oil		ID only			1	EPA 8015D Certifications:	05/18/2015 08:41	05/19/2015 14:01	JW

Sample Information

Client Sample ID: MW-21

York Sample ID: 15E0415-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15E0415

1575.0024000

Oil

May 11, 2015 8:45 am

05/12/2015

Petroleum Identification

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Petroleum Identification	Pattern is similar to Motor Oil		ID only			1	EPA 8015D Certifications:	05/18/2015 08:41	05/19/2015 14:01	JW

Sample Information

Client Sample ID: MW-18

York Sample ID: 15E0415-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

15E0415

1575.0024000

Oil

May 11, 2015 10:10 am

05/12/2015

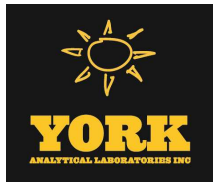
Petroleum Identification

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Oil Preparation for GC

CAS No.	Parameter	Result	Flag	Units	LOD/MDL	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Petroleum Identification	Not Detected or, conc. too low for ID		ID only			1	EPA 8015D Certifications:	05/18/2015 08:41	05/19/2015 14:01	JW



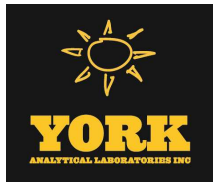
Analytical Batch Summary

Batch ID: BE50880

Preparation Method: Oil Preparation for GC

Prepared By: JW

YORK Sample ID	Client Sample ID	Preparation Date
15E0415-01	MW-12	05/18/15
15E0415-02	MW-21	05/18/15
15E0415-03	MW-18	05/18/15



Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag



Notes and Definitions

GC-26 Not Detected or, conc. too low for ID

GC-20 Pattern is similar to Motor Oil

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

Page 1 of 1

NOTE: York's Std. Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 15E0415

YOUR Information		Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: <u>Roux Associates</u>	Company: <u>Same</u>	Company: <u>Same</u>	Company: <u>Same</u>	<u>1575.0024000</u>	RUSH - Same Day ☐	Summary Report ☒
Address: <u>209 Shafter St</u>	Address: _____	Address: _____	Address: _____	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary _____
<u>Islandia NY 11749</u>	_____	_____	_____	_____	RUSH - Two Day ☐	CT RCP Package _____
Phone No. <u>631-232-2600</u>	Phone No. _____	Phone No. _____	Phone No. _____	_____	RUSH - Three Day ☐	CT RCP DQA/DUE Pkg _____
Contact Person: <u>Wendy Montross</u>	Attention: _____	Attention: _____	Attention: _____	_____	RUSH - Four Day ☐	NY ASP A Package _____
E-Mail Address: <u>wmontross@rouxinc.com</u>	E-Mail Address: _____	E-Mail Address: _____	E-Mail Address: _____	Samples from: CT ☐ NY ☒ NJ ☐	Standard(5-7 Days) ☒	NY ASP B Package _____

Print Clearly and Legibly. All Information must be complete.
Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)
Joe Gavin
Name (printed)

Matrix Codes
S - soil
Other - specify (oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles	Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full TICs 624 Site Spec. STARS list Nassau Co. BTEX Suffolk Co. MTBE Ketones TCL list Oxygenates TAGM list CT RCP list Arom. only Halog. only App. IX list 8021B list	8270 or 625 STARS list BN Only Acids Only PAH list TAGM list CT RCP list TCL list NJDEP list App. IX SPL or TCLP	8082 PCB 8081 Pest 8151 Herb CT RCP App. IX Site Spec. SPL or TCLP TCLP Pest TCLP Herb Chlordane 608 Pest SPL or TCLP	RCRA8 PP13 list TAL CT15 list TAGM list NJDEP list Total Dissolved SPL or TCLP Indiv. Metals LIST Below	TPH GRO TPH DRO CT ETPH NY 310-13 TPH 1664 Air TO14A Air TO15 Air STARS Air VPH Air TICs Methane Helium	Pri. Poll. TCL Organics TAL MetCN Full TCLP Full App. IX Part 360 Routine Part 360 Baseline Part 360 Expanded Part 360 Expanded Full List NYCDEP Sewer NYSDEC Sewer TAGM	Corrosivity Reactivity Ignitability Flash Point Sieve Anal. Heterotrophs TOX BTU/lb. Aquatic Tox. TOC Asbestos Silica

Electronic Data Deliverables (EDD)

Simple Excel _____
NYSDEC EQuIS _____
EQuIS (std) _____
EZ-EDD (EQuIS) _____
NJDEP SRP HazSite EDD _____
GIS/KEY (std) _____
Other _____

York Regulatory Comparison

Excel Spreadsheet
Compare to the following Regs. (please fill in):

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
MW-12	5/11/15 - 8:35	other-oil	Product ID - Petro Hydr.	1 L Amber
MW-21	5/11/15 - 8:45	other-oil	Product ID - Petro Hydr.	1 L Amber
MW-18	5/11/15 - 10:10	other-oil	Product ID - Petro Hydr.	2 L Amber

Comments

Preservation
Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C _____	Frozen _____	HCl _____	MeOH _____	HNO ₃ _____	H ₂ SO ₄ _____	NaOH _____
ZnAc _____			Ascorbic Acid _____	Other _____		
Samples Relinquished By <u>Joe Gavin</u>			Date/Time <u>5/12/15 12pm</u>	Samples Received By <u>KBanks</u>		
Samples Relinquished By <u>KBanks</u>			Date/Time <u>5-12-15</u>	Samples Received By <u>TC Fuhl</u>		
Samples Relinquished By _____			Date/Time _____	Samples Received in LAB by _____		

Temperature on Receipt

4.3 °C

Correspondence Sent to
Neighboring Property Operator



February 26, 2015

Mr. Hasan Ahmed
New York State Department of Environmental Conservation
47-40 21st Street
Long Island City, New York 11101

Re: Supplemental RI Work Plan – Phase III
Kristal Auto Mall C224140
5200 Kings Highway, Brooklyn, NY

Dear Mr. Ahmed:

This Supplemental Remedial Investigation Work Plan (RIWP) presents a description of the additional sampling at the Kristal Auto Mall (KAM) that was discussed during our conference call on January 30, 2015. The objectives of this supplemental RI are as follows:

- Delineation of free phase hydrocarbons in the KAM auto service area;
- Resampling of soil vapor points SV-4 and SV-5 and collection of an indoor air and ambient air sample in the KAM auto service area.
- Evaluation of potential free phase hydrocarbon migration beneath the Favorite Plastics building, the adjacent property to the north;
- Evaluation of sub-slab soil vapor and indoor air quality at the Favorite Plastics building;

This letter is a supplement to the NYSDEC-approved KAM RIWP, and the June 2, 2014, Supplemental RIWP. All investigation and sampling procedures will be conducted consistent with the Field Sampling Plan (FSP), Quality Assurance Project Plan (QAPP), and the Health and Safety Plan (HASP). A detailed description of the proposed supplemental RI tasks is presented below.

PROPOSED RI TASKS

Task 1 – Delineation of Free Phase Hydrocarbons/Product Monitoring and Testing

To complete the delineation of the free product, the installation of five additional shallow wells, MW-12 and MW-18 through MW-21, are proposed as shown on Figure 1. The two-inch diameter wells will be installed with 10-foot long screens set with three feet above the water table and seven feet below. The wells will be developed following installation and allowed to equilibrate for a week before collecting measurements of the

depth to product and/or water. All well installation/construction procedures will be performed in accordance with the Section 4.1.2 of the Field Sampling Plan in the RIWP.

Following installation and development, the wells will be monitored for free phase hydrocarbons two weeks and four weeks after installation. Product thickness will also be checked in the previously installed wells. Any product detected in the newly installed wells will be analyzed and typed.

Task 2 – Auto Service Area Vapor Intrusion Sampling

To evaluate the elevated PCE concentration previously found in the SV-4 soil vapor samples, soil vapor points SV-4 and SV-5, both located in the auto service area, will be resampled. An indoor air sample will also be collected in the auto service area. The indoor air sample will be collected roughly between SV-4 and SV-5. In addition, one ambient air sample will be collected. The samples will be collected in accordance with NYSDOH Guidance.

Task 3 – Offsite Delineation of Free Phase Hydrocarbons and CVOCs in Soil Vapor at Favorite Plastics

Favorite Plastics is located immediately north of the Site. The southern wall of Favorite Plastics is separated by about one foot space from the north wall of the auto service area. In 2007, Testwell Laboratories (Testwell) installed two soil borings (SB-22 and SB-23) on the Favorite Plastics property to evaluate the potential for impacts migrating from KAM. The analytical results of Testwell's soil samples showed no significant detections of VOCs or SVOCs. Both soil samples were collected in directly above the water table, indicating that contamination has not migrated beneath Favorite Plastics. At the request of NYSDEC/NYSDOH, Roux Associates will evaluate the potential migration of free phase hydrocarbons and soil vapor impacts beneath Favorite Plastics as described below. This work is based on the Favorite Plastics granting access to Roux Associates. As of the date of this RIWP, Roux has not been successful in discussing this work with Favorite Plastics management.

Temporary Offsite Monitoring Wells

The previous soil borings will be converted into temporary monitoring wells, SB-22 and SB-23. The temporary wells will be constructed of one-inch PVC with 5 ft. screens set two feet below the water table and three feet above the water table. Wells will be briefly developed to ensure good hydraulic connection to the water table and allowed to equilibrate for approximately two weeks prior to gauging. The temporary wells will be monitored for free phase hydrocarbons two weeks and four weeks after installation.

If free-phase hydrocarbons are detected in either of these temporary wells, samples will be collected and typed. If no free-phase hydrocarbons are detected in these temporary wells one month following installation, the temporary wells will be removed and the boreholes grouted to grade and completed with concrete at the surface.

Temporary Offsite Soil Vapor Points

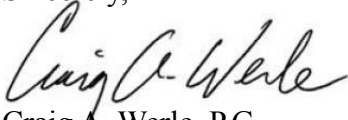
To evaluate offsite soil vapor north of SV-4, two temporary soil vapor points, TVP-1 and TVP-2, will be installed in the locations shown on Plate 1. These temporary soil vapor points will be installed using a hammer-drill to penetrate the floor slab. Teflon[®]-lined polyethylene tubing will be placed in the borehole up to approximately 2-inches below the floor slab and sealed with modelling clay as described in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH Guidance). The temporary points will be tested with a helium tracer gas prior to sampling to ensure there is no infiltration of ambient air per the NYSDOH guidance. The samples will be collected into 6-liter summa canisters over an eight-hour time period and will be analyzed for TO-15 VOCs.

Project Schedule

Roux Associates is prepared to implement the onsite portion of this Work Plan in early March 2015, following NYSDEC's approval. As discussed above, Roux Associates plans to perform the work at the Favorite Plastics adjacent offsite property during the same field event, provided access agreements are in place. It is expected that the work will take approximately five days to complete. Free-phase hydrocarbon monitoring will be conducted bi-weekly in the newly installed monitoring wells for one month following well installation. The RI report will be finalized incorporating the new data and submitted along with a Remedial Action Work Plan to NYSDEC in mid May 2015.

If you have any questions concerning the tasks described above, please contact me.

Sincerely,



Craig A. Werle, P.G.
Principal Hydrogeologist

cc: Jane O'Connell, NYSDEC
Peter Pollack, Irma C. Pollack, LLC.
Jon Schuyler Brooks, Phillips Nizer, LLC

V:\CAD\PROJECTS\1575\0002\119\1575.0002\119.01.DWG

LEGEND

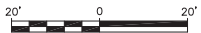
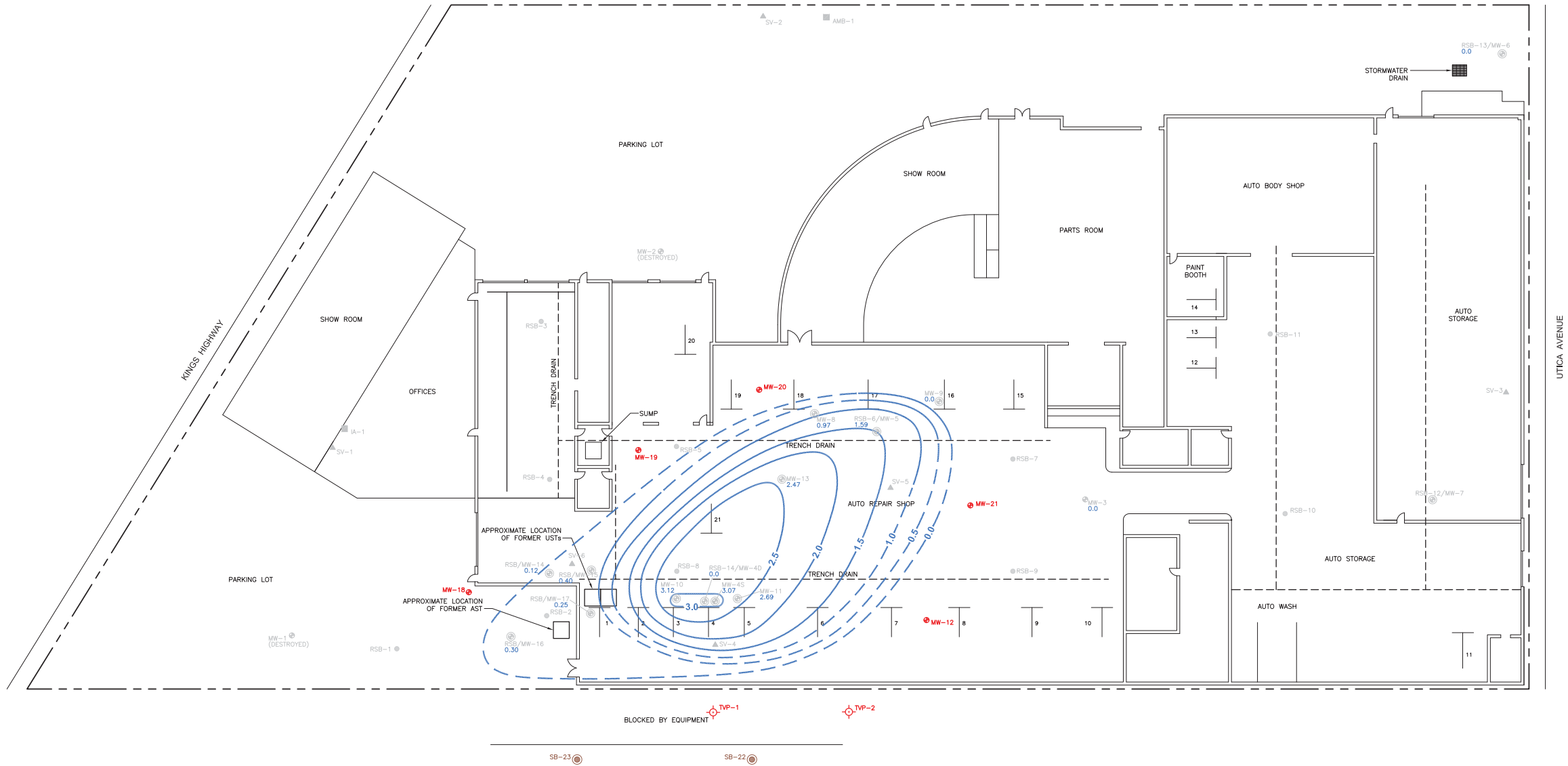
MW-18	PROPOSED MONITORING WELL	IA-1	INDOOR/AMBIENT AIR SAMPLE
MW-1	EXISTING MONITORING WELL	16	NON FUNCTIONING HYDRAULIC LIFTS WITH DESIGNATION
TVP-1	TEMPORARY SUBSLAB VAPOR POINT	3.0	LINE OF EQUAL FREE-PRODUCT THICKNESS, IN FEET (DASHED WHERE INFERRED)
RSB-5	EXISTING SOIL SAMPLE	3.07	FREE PRODUCT THICKNESS, IN FEET
MW-4	EXISTING MONITORING WELL INSTALLED BY ROUX ASSOCIATES		
SV-1	EXISTING SOIL VAPOR SAMPLE POINT		
SB-22	SB-22 AND SB-23 HISTORICAL SOIL BORINGS INSTALLED BY TESTWELL LABORATORIES, INC. 2007		

SOURCE

BASEMAP ADAPTED FROM TESTWELL LABORATORIES, INC., PHASE II ESA, DATE: 9/5/07

NOTE

- SAMPLE LOCATIONS ARE APPROXIMATE.
- RSB-14/MW-4D IS A DEEP WELL SCREENED FROM 30'-40" BELOW LAND SURFACE. THIS WELL DOES NOT HAVE ANY FREE-PHASE PRODUCT.
- TVP-1 AND TVP-2 LOCATIONS ARE APPROXIMATE AND WILL BE INSTALLED IN THE CLOSEST ACCESSIBLE LOCATION BASED ON EXISTING FACTORY MACHINERY.



PROPOSED ADDITIONAL INVESTIGATION LOCATIONS

KRISTAL AUTO MALL
5200 KINGS HUGHWAY
BROOKLYN, NEW YORK 11234

Prepared For:

IRMA C. POLLACK, LLC

ROUX
ROUX ASSOCIATES, INC.
Environmental Consulting
and Management

Compiled by: W.M.	Date: 05FEB15	PLATE
Prepared by: B.H.C.	Scale: AS SHOWN	
Project Mgr: C.W.	Project: 1575.0002Y000	
File: 1575.0002Y119.01.DWG		

SITE ACCESS AGREEMENT

Roux Associates, Inc. (hereinafter referred to as "Roux Associates") and Favorite Plastics, Inc. (hereinafter referred to as "Owner"), by and through their duly authorized representatives, hereby enter into this Site Access Agreement ("Agreement"), dated and effective this twenty fourth day of February, 2015, and agree as follows.

1. Owner hereby grants to Roux Associates and/or its authorized representatives, contractors and subcontractors, retained directly or indirectly, right of access to Owner's property at 1465 Utica Ave Brooklyn, N.Y. 11234 (hereinafter referred to as "Premises"), and permission to perform the Scope of Work ("Work"), attached hereto and incorporated by reference herein, with respect to the Premises.

2. Any and all Work performed by, or under the direction or control of Roux Associates at the Premises shall be in accordance with the following terms and conditions.

A. All Work will be conducted at reasonable times. While performing the Work under this Agreement, Roux Associates shall exercise that degree of care and skill ordinarily exercised under similar circumstances by members of the environmental and engineering consulting professions, as applicable, performing the kind of work to be performed hereunder and practicing in the same or similar locality at the same period of time.

B. Before entering any portion of the Premises for any purpose, Roux Associates shall give oral and written notice to Owner specifying the purpose for which entry will occur, the date and time of entry and the specific portions of the Premises to which Roux Associates desires access. This notice must be provided to Owner no less than forty-eight (48) hours prior to the contemplated entry time, unless waived in writing by Owner. Notice shall be given to:

To Owner: Mitchell Kirschner
1465 Utica Avenue
Brooklyn, New York 11234
(718) 253-7000
Email: [Insert Owner's email address]

To ROUX: Brian Morrissey
Office Manager
Roux Associates, Inc.
209 Shafter St.
Islandia, New York 11749
(631)-232-2600
(631)-232-9898
bmorrissey@rouxinc.com

C. Work conducted by Roux Associates at the Premises will be conducted in accordance with all applicable environmental laws.

D. Roux Associates shall have reasonable amounts of insurance coverage to cover the Work performed at the Premises.

E. Roux Associates hereby agrees to indemnify and hold Owner harmless from any loss, cost, damage, and/or injury arising out of Roux Associates' negligent acts or omissions (hereinafter referred to as "Indemnity"). In no event shall the Indemnity provided herein cover Owner's negligent and/or willful acts or omissions, and Roux Associates shall not be liable to Owner and/or to anyone claiming by, through or under Owner, including Owner's insurers, for any lost, delayed and/or diminished profits, revenues, and/or opportunities, and/or any other incidental, special, indirect, and/or consequential damages of any kind and/or nature whatsoever.

F. Owner acknowledges that Roux Associates has neither created nor contributed to the creation or existence of any type of hazardous or toxic waste, material, chemical, compound, or substance, or any other type of environmental hazard, contamination, or pollution, whether latent or patent, or the release thereof, or the violation of any law or regulation relating thereto, at the Premises where the Work will be performed or in connection with the performance of the Work (hereinafter collectively referred to as "Conditions"), and it is understood that Roux Associates shall have no liability for any losses, costs, damages, and/or injuries from such Conditions except to the extent of the Indemnity provided by Roux Associates under Paragraph 2E herein.

G. Except as provided in Paragraph 2.A., herein, Roux Associates makes no express or implied warranties or guarantees including, but not limited to, warranties or guarantees that the Work performed pursuant to this Agreement will eliminate in its entirety any type of hazardous or toxic waste, material, chemical, compound, or substance, or any other type of environmental hazard, contamination, or pollution, whether latent or patent, or the release thereof at the Premises.

H. Nothing contained in this Agreement shall be construed or interpreted as requiring Roux Associates to assume the status of owner, operator, arranger, transporter, disposer or generator under any federal or state statute or regulation governing the disposal, transportation, storage or treatment of hazardous substances or wastes. Soil and water samples obtained from the Premises during the performance of the Work shall be considered the property of Owner.

I. A copy of all final analytical results obtained from any Work conducted on the Premises by Roux Associates shall be sent to the Owner within seven (7) business days of Roux Associates' receipt of Owner's written request.

J. All areas disturbed by Roux Associates in the course of performing Work at the Premises will be reasonably restored to their original condition by Roux Associates at its sole expense.

K. All Work conducted by Roux Associates at the Premises shall be at the sole expense of Roux Associates.

3. This Agreement shall be governed by the laws of New York State.

4. This Agreement shall terminate when Roux Associates receives notice that the final payment for all Work performed and expenses incurred has been cleared through its financial institution.

5. This Agreement sets forth the entire agreement and understanding of the Parties with respect to the subject matter hereof. This Agreement may be amended only by written agreement of the Parties, hereto. This Agreement may be executed in any number of counterparts, and each such counterpart shall be deemed to be an original instrument, but all such counterparts together shall constitute one Agreement. The Parties hereto agree that this Agreement may be executed and returned by facsimile and/or email, and such execution and delivery shall be binding as if an original had been delivered, and the delivering Party covenants and agrees that an original is not thereafter required.

IN WITNESS WHEREOF, the Parties hereto have executed this Access Agreement as of the date first above written.

ROUX ASSOCIATES, INC.
209 Shafter St. Islandia N.Y. 11749

FAVORITE PLASTICS, INC.
1465 UTICA AVE BROOKLYN NY 11234

By:_____

By:_____

Date:_____

Date:_____

Soil Vapor Sampling Logs

Soil Vapor Sampling Form

Irma C. Pollack

Kristal Auto Mall - 5200 Kings Highway, Brooklyn

Date: 2/24/2014

Time: 0938

Weather : 20-30's F, Partly cloudy

Temperature: _____

Humidity: _____

Wind Magnitude: _____

Wind Direction: _____

Barometric Pressure: _____

Precipitation: _____

Sampling Team: Joe Gavin

Sampling Location: SV-1

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Active car dealership, auto repair, auto wash, auto storage

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: sub-slab - 8"

feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: Yes

Apparent Moisture Content: n

Purge Rate: 200 mL/min

Must be less than 0.2 L/min

Purge Time: 60 sec

Helium Rate at enclosure: 20,000 ppm

Helium Rate from sample tubing: 0.0 ppm

Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -30.0 in. of Hg

Starting Time: 0940

Ending Time: 1345

Ending Pressure: -8 in. of Hg

Summa Canister Identification #: 27

Flow Regulator ID # FC444

Sample ID # SV-1

Time 1345

Analysis TO-15

Laboratory Alpha

Comments:

Located in the office located on the east side of Site Building
starting pressure beyond -30" Hg

Soil Vapor Sampling Form

Irma C. Pollack

Kristal Auto Mall - 5200 Kings Highway, Brooklyn

Date: 2/24/2014

Time: 0940

Weather : 20-30's F, Partly cloudy

Temperature: _____

Humidity: _____

Wind Magnitude: _____

Wind Direction: _____

Barometric Pressure: _____

Precipitation: _____

Sampling Team: Joe Gavin

Sampling Location: SV-2

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Active car dealership, auto repair, auto wash, auto storage

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: sub-slab - 8"

feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: Yes

Apparent Moisture Content: n

Purge Rate: 200 mL/min

Must be less than 0.2 L/min

Purge Time: 60 sec

Helium Rate at enclosure: 20,000 ppm

Helium Rate from sample tubing: 0.0 ppm

Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -29.0 in. of Hg

Starting Time: 0947

Ending Time: 1045

Ending Pressure: 0 in. of Hg

Summa Canister Identification #: 502

Flow Regulator ID # FC48

Sample ID # SV-2

Time 1045

Analysis TO-15

Laboratory Alpha

Comments:

Located along southern property boundary line, near Outdoor Ambient sample

Sample will be collected at a later date; the gauge read '0' after one hour.

Soil Vapor Sampling Form

Irma C. Pollack

Kristal Auto Mall - 5200 Kings Highway, Brooklyn

Date: 2/28/2014

Time: 0940

Weather : 20s F, Partly cloudy

Temperature: _____

Humidity: _____

Wind Magnitude: _____

Wind Direction: _____

Barometric Pressure: _____

Precipitation: _____

Sampling Team: Joe Gavin

Sampling Location: SV-2

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Active car dealership, auto repair, auto wash, auto storage

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: sub-slab - 8"

feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: Yes

Apparent Moisture Content: n

Purge Rate: 200 mL/min

Must be less than 0.2 L/min

Purge Time: 60 sec

Helium Rate at enclosure: _____

Helium Rate from sample tubing: _____ Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -26.0 in. of Hg

Starting Time: 0820

Ending Time: 1520

Ending Pressure: -9.5 in. of Hg

Summa Canister Identification #: _____

Flow Regulator ID # _____

Sample ID # SV-2

Time 1520

Analysis TO-15

Laboratory Alpha

Comments:

Located along southern property boundary line, near Outdoor Ambient sample

Soil Vapor Sampling Form

Irma C. Pollack

Kristal Auto Mall - 5200 Kings Highway, Brooklyn

Date: 2/24/2014

Time: 0920

Weather : 20-30's F, Partly cloudy

Temperature: _____

Humidity: _____

Wind Magnitude: _____

Wind Direction: _____

Barometric Pressure: _____

Precipitation: _____

Sampling Team: Joe Gavin

Sampling Location: SV-3

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Active car dealership, auto repair, auto wash, auto storage

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: sub-slab - 8"

feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: Yes

Apparent Moisture Content: n

Purge Rate: 200 mL/min

Must be less than 0.2 L/min

Purge Time: 60 sec

Helium Rate at enclosure: 20,000 ppm

Helium Rate from sample tubing: 0.0 ppm

Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -30.0 in. of Hg

Starting Time: 0922

Ending Time: 1325

Ending Pressure: -12.8 in. of Hg

Summa Canister Identification #: 505

Flow Regulator ID # FC448

Sample ID # SV-3

Time 1325

Analysis TO-15

Laboratory Alpha

Comments:

Located on west side of Site Building, near Utica Avenue
starting pressure beyond -30" Hg

Soil Vapor Sampling Form

Irma C. Pollack

Kristal Auto Mall - 5200 Kings Highway, Brooklyn

Date: 2/24/2014

Time: 0930

Weather : 20-30's F, Partly cloudy

Temperature: _____

Humidity: _____

Wind Magnitude: _____

Wind Direction: _____

Barometric Pressure: _____

Precipitation: _____

Sampling Team: Joe Gavin

Sampling Location: SV-4

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Active car dealership, auto repair, auto wash, auto storage

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: sub-slab - 8"

feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: Yes

Apparent Moisture Content: n

Purge Rate: 200 mL/min

Must be less than 0.2 L/min

Purge Time: 60 sec

Helium Rate at enclosure: 20,000 ppm

Helium Rate from sample tubing: 0.0 ppm

Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -30.0 in. of Hg

Starting Time: 0933

Ending Time: 1345

Ending Pressure: -10 in. of Hg

Summa Canister Identification #: 0005

Flow Regulator ID # FC414

Sample ID # SV-4

Time 1345

Analysis TO-15

Laboratory Alpha

Comments:

Located on the north side of the Site Building

starting pressure beyond -30" Hg

Soil Vapor Sampling Form

Irma C. Pollack

Kristal Auto Mall - 5200 Kings Highway, Brooklyn

Date: 2/24/2014

Time: 0925

Weather : 20-30's F, Partly cloudy

Temperature: _____

Humidity: _____

Wind Magnitude: _____

Wind Direction: _____

Barometric Pressure: _____

Precipitation: _____

Sampling Team: Joe Gavin

Sampling Location: SV-5

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Active car dealership, auto repair, auto wash, auto storage

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: sub-slab - 8"

feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: Yes

Apparent Moisture Content: n

Purge Rate: 200 mL/min

Must be less than 0.2 L/min

Purge Time: 60 sec

Helium Rate at enclosure: 20,000 ppm

Helium Rate from sample tubing: 0.0 ppm

Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -29.0 in. of Hg

Starting Time: 0927

Ending Time: 1340

Ending Pressure: -5 in. of Hg

Summa Canister Identification #: 467

Flow Regulator ID # FC417

Sample ID # SV-5

Time 1340

Analysis TO-15

Laboratory Alpha

Comments:

Located in the center of the Auto Repair Shop

Soil Vapor Sampling Form

Irma C. Pollack

Kristal Auto Mall - 5200 Kings Highway, Brooklyn

Date: 2/24/2014

Time: 0938

Weather : 20-30's F, Partly cloudy

Temperature: _____

Humidity: _____

Wind Magnitude: _____

Wind Direction: _____

Barometric Pressure: _____

Precipitation: _____

Sampling Team: Joe Gavin

Sampling Location: IA-1

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Active car dealership, auto repair, auto wash, auto storage

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: N/A

Sampling Depth: 4 ft als

feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: N/A

Purge Rate: NA

Must be less than 0.2 L/min

Purge Time: NA

Helium Rate at enclosure: NA

Helium Rate from sample tubing: NA

Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -30.0 in. of Hg

Starting Time: 0938

Ending Time: 1630

Ending Pressure: -8 in. of Hg

Summa Canister Identification #: 473

Flow Regulator ID # FC7362

Sample ID # IA-1

Time 1630

Analysis TO-15

Laboratory Alpha

Comments:

Located in office with SV-1

starting pressure beyond -30" Hg

Soil Vapor Sampling Form

Irma C. Pollack

Kristal Auto Mall - 5200 Kings Highway, Brooklyn

Date: 2/24/2014

Time: 0945

Weather : 20-30's F, Partly cloudy

Temperature: _____

Humidity: _____

Wind Magnitude: _____

Wind Direction: _____

Barometric Pressure: _____

Precipitation: _____

Sampling Team: Joe Gavin / Brian Klaus

Sampling Location: Outdoor Ambient

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Active car dealership, auto repair, auto wash, auto storage

Site is located on Kings Highway, a heavily trafficked 4-6 lane thoroughfare, sample collected toward the center of the Site, approximately 130 feet from the curb line of Kings Highway

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb fitting onto the sample tubing.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: 4 ft als

feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above land surface)

Sealed with bentonite: NA

Apparent Moisture Content: N/A

Purge Rate: NA

Must be less than 0.2 L/min

Purge Time: NA

Helium Rate at enclosure: NA

Helium Rate from sample tubing: NA

Is this rate <10% of the rate at the enclosure Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 " of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -30.0 in. of Hg

Starting Time: 0945

Ending Time: 1630

Ending Pressure: -6 in. of Hg

Summa Canister Identification #: 41127

Flow Regulator ID # FC425

Sample ID # Outdoor Ambient

Time 1630

Analysis TO-15

Laboratory Alpha

Comments:

Located along southern property boundary line, near SV-2

Soil Vapor Sampling Form

Irma C. Pollack

Kristal Auto Mall - 5200 Kings Highway, Brooklyn

Date: 9/25/2014Time: 0743Weather : 70's and raining

Temperature: _____

Humidity: _____

Wind Magnitude: _____

Wind Direction: _____

Barometric Pressure: _____

Precipitation: _____

Sampling Team: Joe GavinSampling Location: SV-4

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Active car dealership, auto repair, auto wash, auto storage

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb

Utility Clearance Completed: YesSampling Depth: sub-slab - 8"

feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above)

Sealed with bentonite: YesApparent Moisture Content: nPurge Rate: 200 mL/min

Must be less than 0.2 L/min

Purge Time: 60 secHelium Rate at enclosure: 20,000 ppmHelium Rate from sample tubing: 0.0 ppm

Is this rate <10% of the rate at the enclosure

Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the

Is the Summa Canister Certified Clean and within the proper holding time ?

Yes

Starting Pressure: -29.0 in. of HgStarting Time: 0743Ending Time: 1507Ending Pressure: -6.0 in. of HgSumma Canister Identification #: 15608Flow Regulator ID # 7361Sample ID # SV-4Time 1507Analysis TO-15Laboratory Alpha**Comments:**

Located on the north side of the Site Building

Soil Vapor Sampling Form

Irma C. Pollack

Kristal Auto Mall - 5200 Kings Highway, Brooklyn

Date: 9/25/2014Time: 0741Weather : 70's and raining

Temperature: _____

Humidity: _____

Wind Magnitude: _____

Wind Direction: _____

Barometric Pressure: _____

Precipitation: _____

Sampling Team: Joe GavinSampling Location: SV-5

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Active car dealership, auto repair, auto wash, auto storage

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb

Utility Clearance Completed: YesSampling Depth: sub-slab - 8"

feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above)

Sealed with bentonite: YesApparent Moisture Content: nPurge Rate: 200 mL/min

Must be less than 0.2 L/min

Purge Time: 60 secHelium Rate at enclosure: 20,000 ppmHelium Rate from sample tubing: 0.0 ppm

Is this rate <10% of the rate at the enclosure

Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the

Is the Summa Canister Certified Clean and within the proper holding time ? YesStarting Pressure: -30.0 in. of HgStarting Time: 0741Ending Time: 1502Ending Pressure: -7.0 in. of HgSumma Canister Identification #: 16956Flow Regulator ID # 7673Sample ID # SV-5Time 1502Analysis TO-15Laboratory Alpha**Comments:**Located in the center of the Auto Repair Shop

Soil Vapor Sampling Form

Irma C. Pollack

Kristal Auto Mall - 5200 Kings Highway, Brooklyn

Date: 9/25/2014Time: 0739Weather : 70's and raining

Temperature: _____

Humidity: _____

Wind Magnitude: _____

Wind Direction: _____

Barometric Pressure: _____

Precipitation: _____

Sampling Team: Joe GavinSampling Location: SV-6

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Active car dealership, auto repair, auto wash, auto storage

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb

Utility Clearance Completed: YesSampling Depth: sub-slab - 8"

feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above)

Sealed with bentonite: YesApparent Moisture Content: nPurge Rate: 200 mL/min

Must be less than 0.2 L/min

Purge Time: 60 secHelium Rate at enclosure: 20,000 ppmHelium Rate from sample tubing: 0.0 ppm

Is this rate <10% of the rate at the enclosure

Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the

Is the Summa Canister Certified Clean and within the proper holding time ? YesStarting Pressure: -30.0 in. of HgStarting Time: 0739Ending Time: 1509Ending Pressure: -25.0 in. of HgSumma Canister Identification #: 41Flow Regulator ID # 7422Sample ID # SV-6Time 1509Analysis TO-15Laboratory Alpha**Comments:**Located in entrance of auto body repair shop**Stopped at -25 in. Hg - sample collected for 7.5 hours**

Soil Vapor Sampling Form

Irma C. Pollack

Kristal Auto Mall - 5200 Kings Highway, Brooklyn

Date: 9/25/2014Time: 0744Weather : 70's and raining

Temperature: _____

Humidity: _____

Wind Magnitude: _____

Wind Direction: _____

Barometric Pressure: _____

Precipitation: _____

Sampling Team: Joe GavinSampling Location: IA092514

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Active car dealership, auto repair, auto wash, auto storage

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb

Utility Clearance Completed: N/ASampling Depth: 4 ft als

feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above

Sealed with bentonite: NAApparent Moisture Content: N/APurge Rate: NA

Must be less than 0.2 L/min

Purge Time: NAHelium Rate at enclosure: NAHelium Rate from sample tubing: NA

Is this rate <10% of the rate at the enclosure

Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -12.0 in. of HgStarting Time: 0744Ending Time: 1230Ending Pressure: -3.0 in. of HgSumma Canister Identification #: 16975Flow Regulator ID # 7423Sample ID # IA-1Time 1230Analysis TO-15Laboratory Alpha**Comments:**

Located near SV-5 in Auto Repair Shop

Started at -12 in. Hg, sample was collected for 7.5 hours

Soil Vapor Sampling Form

Irma C. Pollack

Kristal Auto Mall - 5200 Kings Highway, Brooklyn

Date: 3/18/2015Time: 0800Weather : 30-40's F, overcast

Temperature: _____

Humidity: _____

Wind Magnitude: _____

Wind Direction: _____

Barometric Pressure: _____

Precipitation: _____

Sampling Team: Joe GavinSampling Location: SV-4

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Active car dealership, auto repair, auto wash, auto storage

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb

Utility Clearance Completed: YesSampling Depth: sub-slab - 8"

feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above)

Sealed with bentonite: YesApparent Moisture Content: NoPurge Rate: 200 mL/min

Must be less than 0.2 L/min

Purge Time: 60 secondsHelium Rate at enclosure: 20,000 PPMHelium Rate from sample tubing: 0.0 PPM

Is this rate <10% of the rate at the enclosure

Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the

Is the Summa Canister Certified Clean and within the proper holding time ? YesStarting Pressure: -27.0 in. of HgStarting Time: 0800Ending Time: 1445Ending Pressure: -5.0 in. of HgSumma Canister Identification #: 471Flow Regulator ID # 7361Sample ID # SV-4Time 1445Analysis TO-15Laboratory Alpha**Comments:**Located on the north side of the Site Building

Soil Vapor Sampling Form

Irma C. Pollack

Kristal Auto Mall - 5200 Kings Highway, Brooklyn

Date: 3/18/2015Time: 0802Weather : 30-40's F, overcast

Temperature: _____

Humidity: _____

Wind Magnitude: _____

Wind Direction: _____

Barometric Pressure: _____

Precipitation: _____

Sampling Team: Joe GavinSampling Location: SV-5

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Active car dealership, auto repair, auto wash, auto storage

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb

Utility Clearance Completed: YesSampling Depth: sub-slab - 8"

feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above)

Sealed with bentonite: YesApparent Moisture Content: nPurge Rate: 200 mL/min

Must be less than 0.2 L/min

Purge Time: 60 secHelium Rate at enclosure: 20,000 ppmHelium Rate from sample tubing: 0.0 ppm

Is this rate <10% of the rate at the enclosure

Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the

Is the Summa Canister Certified Clean and within the proper holding time ? YesStarting Pressure: -27.0 in. of HgStarting Time: 0802Ending Time: 1535Ending Pressure: -12 in. of HgSumma Canister Identification #: 21Flow Regulator ID # 441Sample ID # SV-5Time 1535Analysis TO-15Laboratory Alpha**Comments:**Located in the center of the Auto Repair Shop

Soil Vapor Sampling Form

Irma C. Pollack

Kristal Auto Mall - 5200 Kings Highway, Brooklyn

Date: 3/18/2015Time: 0755Weather : 30-40's F, overcast

Temperature: _____

Humidity: _____

Wind Magnitude: _____

Wind Direction: _____

Barometric Pressure: _____

Precipitation: _____

Sampling Team: Joe GavinSampling Location: SV-6

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Active car dealership, auto repair, auto wash, auto storage

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb

Utility Clearance Completed: YesSampling Depth: sub-slab - 8"

feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above)

Sealed with bentonite: YesApparent Moisture Content: NoPurge Rate: 200 mL/min

Must be less than 0.2 L/min

Purge Time: 60 secondsHelium Rate at enclosure: 20,000 PPMHelium Rate from sample tubing: 0.0 PPM

Is this rate <10% of the rate at the enclosure

Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the

Is the Summa Canister Certified Clean and within the proper holding time ? YesStarting Pressure: -30.0 in. of HgStarting Time: 0755Ending Time: 1530Ending Pressure: -10.0 in. of HgSumma Canister Identification #: 476Flow Regulator ID # 7426Sample ID # SV-6Time 1530Analysis TO-15Laboratory Alpha**Comments:**Located in entrance of auto body repair shop

Soil Vapor Sampling Form

Irma C. Pollack

Kristal Auto Mall - 5200 Kings Highway, Brooklyn

Date: 3/18/2015Time: 0756Weather : 30-40's F, overcast

Temperature: _____

Humidity: _____

Wind Magnitude: _____

Wind Direction: _____

Barometric Pressure: _____

Precipitation: _____

Sampling Team: Joe GavinSampling Location: IA-1

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)

Active car dealership, auto repair, auto wash, auto storage

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb

Utility Clearance Completed: N/ASampling Depth: 4 ft als

feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above

Sealed with bentonite: NAApparent Moisture Content: N/APurge Rate: NA

Must be less than 0.2 L/min

Purge Time: NAHelium Rate at enclosure: NAHelium Rate from sample tubing: NA

Is this rate <10% of the rate at the enclosure

Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -30.0 in. of HgStarting Time: 0756Ending Time: 1540Ending Pressure: -10 in. of HgSumma Canister Identification #: 463Flow Regulator ID # 7673Sample ID # IA-1Time 1540Analysis TO-15Laboratory Alpha

Comments:

Soil Vapor Sampling Form**Irma C. Pollack****Kristal Auto Mall - 5200 Kings Highway, Brooklyn****Date:** 3/18/2015**Time:** 0805**Weather :** 30-40's F, overcast

Temperature: _____

Humidity: _____

Wind Magnitude: _____

Wind Direction: _____

Barometric Pressure: _____

Precipitation: _____

Sampling Team: Joe Gavin / Brian Klaus**Sampling Location:** Outdoor Ambient**Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and what type of basements are present)**Active car dealership, auto repair, auto wash, auto storageSite is located on Kings Highway, a heavily trafficked 4-6 lane thoroughfare, sample collected toward the center of the Site,approximately 130 feet from the curb line of Kings Highway

Prior to commencing the sampling activity, remove the brass cap from the end of the sample tubing and fit a new brass hose barb

Utility Clearance Completed: Yes**Sampling Depth:** 4 ft als

feet below land surface (If ambient air sample, elevate can to approx. 3 ft - 5 ft above

Sealed with bentonite: NA**Apparent Moisture Content:** N/A**Purge Rate:** NA

Must be less than 0.2 L/min

Purge Time: NA**Helium Rate at enclosure:** NA**Helium Rate from sample tubing:** NA

Is this rate <10% of the rate at the enclosure

Yes / No

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the

Is the Summa Canister Certified Clean and within the proper holding time ? Yes**Starting Pressure:** -23.0 in. of Hg**Starting Time:** 0805**Ending Time:** 1330**Ending Pressure:** -3.5 in. of Hg**Summa Canister Identification #:** 27**Flow Regulator ID #** 7416**Sample ID #** Outdoor Ambient**Time** 1330**Analysis** TO-15**Laboratory** Alpha**Comments:**

Remedial Investigation Report

PLATES

1. Soil Sample Results
2. Historical Soil Sample Results
3. Groundwater Sample Results
4. Historical Groundwater Sample Results
5. Soil Vapor Sample Results
6. Groundwater Elevation Contours
7. Extent of Free Phase Hydrocarbons

V:\CAD\PROJECTS\1575\1575-0002Y112R\1575-0002Y112R-03.DWG

Parameter (Concentrations in µg/kg)	Standards*	Standards**	Standards***
(µg/kg)	(µg/kg)	(µg/kg)	(µg/kg)
VOCs			
2-Butanone (MEK)	120	500000	120
Acetone	50	500000	50
Benzene	60	44000	60
cis-1,2-Dichloroethene	250	500000	250
Ethylbenzene	1000	390000	1000
MTBE	930	500000	930
Tetrachloroethene	1300	150000	1300
Toluene	700	500000	700
Trichloroethene	470	200000	470
Xylenes (total)	260	500000	1600
SVOCs			
Benzo[a]anthracene	1000	5600	1000
Benzo[a]pyrene	1000	1000	22000
Benzo[b]fluoranthene	1000	5600	1700
Benzo[k]fluoranthene	800	56000	1700
Chrysene	1000	56000	1000
Indeno[1,2,3-cd]pyrene	500	5600	8200

Concentrations in µg/kg
µg/kg - Micrograms per kilogram
*NYSDEC Part 375 Unrestricted Use Standards
**NYSDEC Part 375 Commercial Standards
***NYSDEC Part 375 Protection of Groundwater Standards
Bolted results exceed both NYSDEC Unrestricted Use and Protection of Groundwater Standards
NYSDEC - New York State Department of Environmental Conservation
J - Estimated value
DUP - Duplicate Sample
VOCs - Volatile Organic Compounds
SVOCs - Semivolatile Organic Compounds
NE - No exceedance
ND - No detection
NA - Not analyzed for by laboratory
ft bls - Feet below land surface
D - a secondary analysis after dilution due to exceedance
of the calibration range in the original sample.
B - The analyte was found in an associated blank as well as in the sample

LEGEND

MW-1 EXISTING MONITORING WELL
MW-4 EXISTING MONITORING WELL
INSTALLED BY ROUX ASSOCIATES

RSB-5 EXISTING SOIL SAMPLE

SV-1 EXISTING SOIL VAPOR SAMPLE POINT

SB-22 SB-22 AND SB-23 HISTORICAL
SOIL BORINGS INSTALLED BY
TESTWELL LABORATORIES, INC. 2007

IA-1 INDOOR/AMBIENT AIR SAMPLE

16 NON FUNCTIONING HYDRAULIC LIFTS
WITH DESIGNATION

DATA BOX KEY	
SAMPLE LOCATION	SAMPLE DATE
RSB/MW-14	9/9/14 9/10/14 9/10/14
Depth (ft bls)	1 - 3 12 - 14 17 - 18
VOCs	
2-Butanone (MEK)	NE 450 JD ND
Acetone	NE 4400 BD ND
Ethylbenzene	ND 1200 D NE
Toluene	ND 930 D NE
Xylenes (total)	ND 5800 D NE
SVOCs	ND NE ND
ANALYTE	
CONCENTRATION IN µg/kg	

NOTES

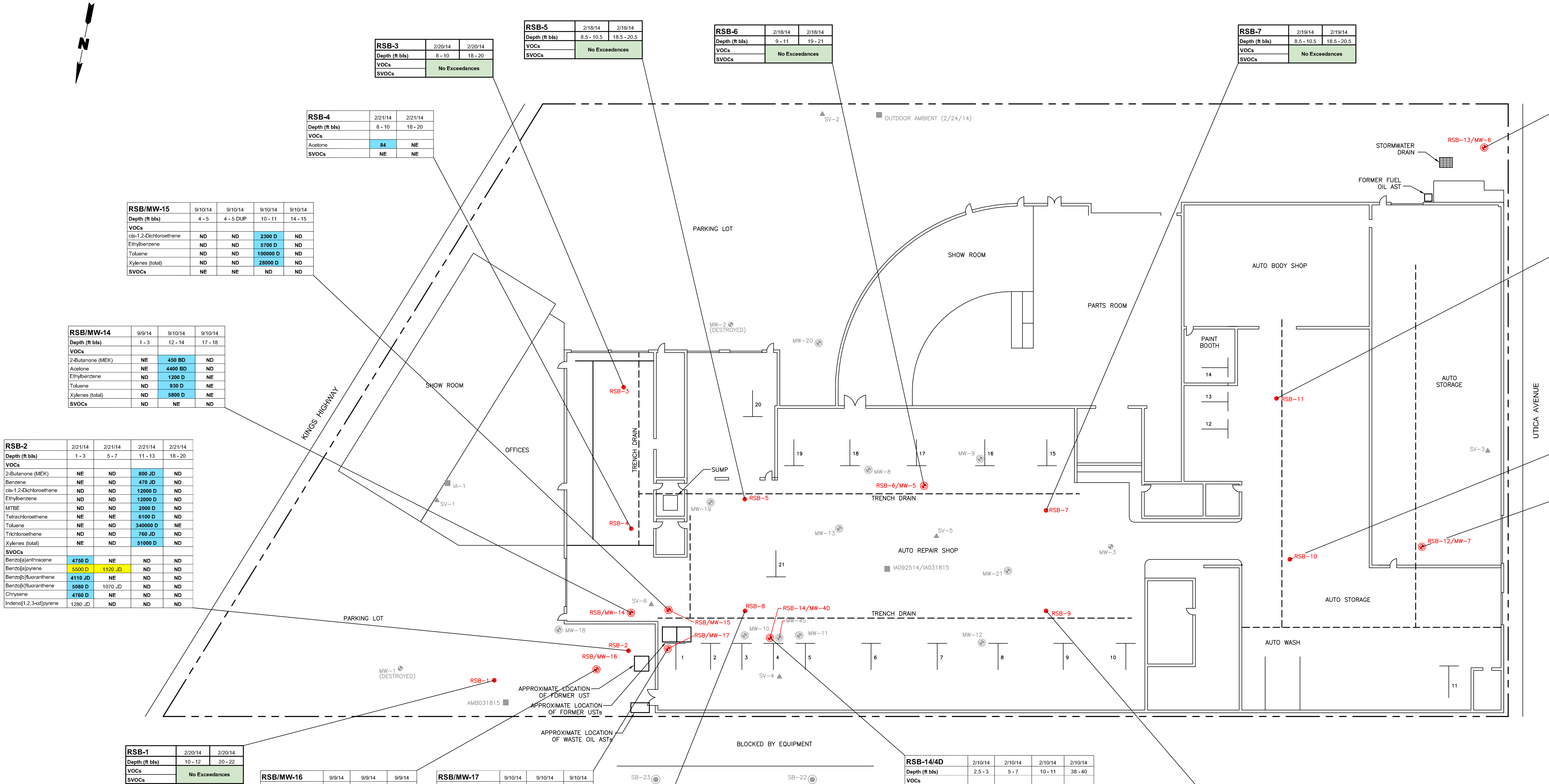
- SAMPLE LOCATIONS ARE APPROXIMATE.
- RSB-14/MW-4D IS A DEEP WELL SCREENED FROM 30'-40'
BELOW LAND SURFACE. THIS WELL DOES NOT HAVE ANY
FREE-PHASE PRODUCT.
- EXCEEDANCES OF PROTECTION OF GROUNDWATER AND
COMMERCIAL SCOs ARE SHOWN.

SOURCE

BASEMAP ADAPTED FROM TESTWELL LABORATORIES, INC. PHASE II
ESA, DATE: 9/5/07

20' 0 20'

Title:			
SOIL SAMPLE RESULTS			
KRISTAL AUTO MALL 5200 KINGS HIGHWAY BROOKLYN, NEW YORK 11234			
Prepared For: IRMA C. POLLACK, LLC			
ROUX ROUX ASSOCIATES, INC. Environmental Consulting and Management	Compiled by: W.M.	Date: 05JAN16	PLATE
	Prepared by: J.A.D.	Scale: AS SHOWN	
	Project Mgr: C.W.	Project: 1575.0002Y000	
	File: 1575.0002Y112R.03.DWG		
			1



RSB-2	2/21/14	2/21/14	2/21/14	2/21/14
Depth (ft bls)	1 - 3	5 - 7	11 - 13	18 - 20
VOCs				
2-Butanone (MEK)	NE	ND	800 JD	ND
Benzene	NE	ND	470 JD	ND
cis-1,2-Dichloroethene	ND	ND	12000 D	ND
Ethylbenzene	ND	ND	12000 D	ND
MTBE	ND	ND	2000 D	ND
Tetrachloroethene	NE	NE	6100 D	ND
Toluene	NE	ND	340000 D	NE
Trichloroethene	ND	ND	760 JD	ND
Xylenes (total)	NE	ND	51000 D	ND
SVOCs				
Benzo[a]anthracene	4750 D	NE	ND	ND
Benzo[a]pyrene	4500 D	1150 JD	ND	ND
Benzo[b]fluoranthene	4110 JD	NE	ND	ND
Benzo[k]fluoranthene	5080 D	1070 JD	ND	ND
Chrysene	4780 D	NE	ND	ND
Indeno[1,2,3-cd]pyrene	1280 JD	ND	ND	ND

RSB/MW-14	9/9/14	9/10/14	9/10/14	9/10/14
Depth (ft bls)	1 - 3	12 - 14	17 - 18	
VOCs				
2-Butanone (MEK)	NE	450 BD	ND	
Acetone	NE	4400 BD	ND	
Ethylbenzene	ND	1200 D	NE	
Toluene	ND	930 D	NE	
Xylenes (total)	ND	5800 D	NE	
SVOCs	ND	NE	ND	

RSB/MW-15	9/10/14	9/10/14	9/10/14	9/10/14
Depth (ft bls)	4 - 5	4 - 5 DUP	10 - 11	14 - 15
VOCs				
cis-1,2-Dichloroethene	ND	ND	2300 D	ND
Ethylbenzene	ND	ND	5700 D	ND
Toluene	ND	ND	100000 D	ND
Xylenes (total)	ND	ND	28000 D	ND
SVOCs	NE	NE	ND	ND

RSB-3	2/20/14	2/20/14
Depth (ft bls)	8 - 10	18 - 20
VOCs	No Exceedances	
SVOCs	No Exceedances	

RSB-4	2/21/14	2/21/14
Depth (ft bls)	8 - 10	18 - 20
VOCs	No Exceedances	
Acetone	84	NE
SVOCs	NE	NE

RSB-5	2/18/14	2/18/14
Depth (ft bls)	8.5 - 10.5	16.5 - 20.5
VOCs	No Exceedances	
SVOCs	No Exceedances	

RSB-6	2/18/14	2/18/14
Depth (ft bls)	9 - 11	19 - 21
VOCs	No Exceedances	
SVOCs	No Exceedances	

RSB-7	2/19/14	2/19/14
Depth (ft bls)	8.5 - 10.5	18.5 - 20.5
VOCs	No Exceedances	
SVOCs	No Exceedances	

RSB-13	2/12/14	2/12/14	2/12/14
Depth (ft bls)	9 - 11	9 - 11 DUP	19 - 21
VOCs	No Exceedances		
SVOCs	No Exceedances		

RSB-11	2/20/14	2/20/14	2/20/14
Depth (ft bls)	7.5 - 9.5	7.5 - 9.5 DUP	17.5 - 19.5
VOCs	No Exceedances		
Acetone	NE	NE	84
SVOCs	NE	NE	NE

RSB-10	2/20/14	2/20/14
Depth (ft bls)	7.5 - 9.5	17.5 - 19.5
VOCs	No Exceedances	
SVOCs	No Exceedances	

RSB-12	2/12/14	2/12/14
Depth (ft bls)	9 - 11	18 - 20
VOCs	No Exceedances	
SVOCs	No Exceedances	

RSB-1	2/20/14	2/20/14
Depth (ft bls)	10 - 12	20 - 22
VOCs	No Exceedances	
SVOCs	No Exceedances	

RSB/MW-16	9/9/14	9/9/14	9/9/14
Depth (ft bls)	1 - 3	11 - 13	17 - 18
VOCs			
cis-1,2-Dichloroethene	ND	4100 D	NE
Ethylbenzene	ND	4500 D	ND
Toluene	ND	70000 D	NE
Xylenes (total)	NE	20000 D	ND
SVOCs	NE	ND	ND

RSB/MW-17	9/10/14	9/10/14	9/10/14
Depth (ft bls)	1 - 3	13 - 15	17 - 18
VOCs			
Acetone	NE	330 JD	NE
Ethylbenzene	NE	2900 D	ND
Toluene	NE	27000 D	NE
Xylenes (total)	NE	14000 D	ND
SVOCs	NE	ND	ND
Chrysene	1050 JV	ND	ND

RSB-8	2/19/14	2/19/14	2/19/14	2/19/14
Depth (ft bls)	1.5 - 3.5	5 - 7	8.5 - 10.5	18.5 - 20.5
VOCs				
Acetone	NE	680 JD	99	NE
SVOCs				
Benzo[a]anthracene	2880 D	3420 D	1680 JD	ND
Benzo[a]pyrene	2710 D	3510 D	1690 JD	ND
Benzo[b]fluoranthene	2880 D	2750 D	1410 JD	ND
Benzo[k]fluoranthene	2530 D	3490 D	1690 JD	ND
Chrysene	2540 D	3420 D	1650 JD	ND
Dibenz[a,h]anthracene	ND	510 JD	ND	ND
Indeno[1,2,3-cd]pyrene	929 JD	1050 JD	522 JD	ND

RSB-14/4D	2/10/14	2/10/14	2/10/14	2/10/14
Depth (ft bls)	2.5 - 3	5 - 7	10 - 11	38 - 40
VOCs				
2-Butanone (MEK)	NE	ND	1000 D	ND
Benzene	ND	ND	1200 D	ND
cis-1,2-Dichloroethene	ND	ND	2900 D	ND
Ethylbenzene	ND	ND	6700 D	ND
Toluene	NE	ND	30000 D	NE
Trichloroethene	ND	ND	590 D	ND
Xylenes (total)	ND	ND	32000 D	NE
SVOCs				
Benzo[a]anthracene	1480 JD	1730 D	ND	ND
Benzo[a]pyrene	1470 JD	1560 JD	ND	ND
Benzo[b]fluoranthene	1990 D	1410 JD	ND	ND
Benzo[k]fluoranthene	1660 JD	1780 D	ND	ND
Chrysene	1610 JD	1900 D	ND	ND
Indeno[1,2,3-cd]pyrene	557 JD	NE	ND	ND

RSB-9	2/19/14	2/19/14
Depth (ft bls)	8.5 - 10.5	18.5 - 20.5
VOCs	No Exceedances	
Acetone	64 B	NE
SVOCs	NE	NE

SB-14	9/15/07
	Testwell
Depth	9-11
VOCs	NE
SVOCs	NE
Metals	NE

SB-10	3/31/07	3/31/07
	Testwell	Roux
Depth	11-13	11-13
VOCs	NE	NE
SVOCs	NE	NE
Metals	NE	NE

SB-20	9/16/07
	Testwell
Depth	12-14
VOCs	NE
SVOCs	NE
Metals	NE

SB-1	3/3/07	3/3/07
	Testwell	Roux
Depth	8-10	8-10
VOCs	NE	NE
SVOCs	NE	NE
Metals		
Lead	126	226

SB-17	9/15/07
	Testwell
Depth	10-12
VOCs	NE
SVOCs	NE
Metals	NE

SB-16	9/15/07
	Testwell
Depth	10-12
VOCs	NE
SVOCs	NE
Metals	NE

SB-5	3/3/07	3/3/07
	Testwell	Roux
Depth	16-18	16-18
VOCs	NE	NE
SVOCs	NE	NE
Metals	NE	NE

SB-2	3/3/07	3/3/07
	Testwell	Roux
Depth	14-16	14-16
VOCs		
1,2,4 Trimethylbenzene	4200	NE
Ethylbenzene	1500	NE
Methylene chloride	590	NE
Tetrachloroethene	1500	NE
Toluene	22000	11000
Total xylenes	6700	3200
Trichloroethene	560	NE
SVOCs	NE	NE
Metals	NE	NE

SB-13	9/15/07
	Testwell
Depth	9-11
VOCs	NE
SVOCs	NE
Metals	NE

SB-12	3/31/07	3/31/07
	Testwell	Roux
Depth	10-12	10-12
VOCs		
1,2,4 Trimethylbenzene	27000	25000
Benzene	380	NE
Cis-1,2-Dichloroethene	11000	NE
Ethylbenzene	12000	11000
Methylene Chloride	3000	NE
Tetrachloroethene	4400	NE
Toluene	290000	300000
Total xylenes	63000	51000
SVOCs	NE	NE
Metals	NE	NE

SB-19	9/16/07
	Testwell
Depth	10-12
VOCs	NE
SVOCs	NE
Metals	NE

SB-11	3/31/07	3/31/07
	Testwell	Roux
Depth	12-14	12-14
VOCs		
1,2,4 Trimethylbenzene	NE	4800
Toluene	3400	5700
Total xylenes	1740	3300
SVOCs	NE	NE
Metals	NE	NE

SB-3	3/3/07	3/3/07
	Testswell	Roux
Depth	16-18	16-18
VOCs		
Total xylenes	1900	2730
Toluene	1700	2800
SVOCs		
Benzo[a]anthracene	6200	3500
Benzo[a]pyrene	4300	2800
Benzo[b]fluoranthene	4000	2400
Chrysene	5600	3200
Dibenzo[a,h]anthracene	660	NE
Indeno[1,2,3-cd]pyrene	2300	2100
Metals		
Lead	90.4	102

SB-23	11/2/07
	Testwell
Depth	10-12
VOCs	NE
SVOCs	NE
Metals	NE

SB-8	3/10/07	3/10/07
	Testwell	Roux
Depth	10-12	10-12
VOCs		
1,2,4 Trimethylbenzene	24000	9000
1,3,5 Trimethylbenzene	22000	NE
Acetone	580	NE
Benzene	180	NE
Cis-1,2-Dichloroethene	1600	2000
Ethylbenzene	4200	2700
Tetrachloroethene	16000	13000
Toluene	6900	5200
Total xylenes	27800	1490
Trichloroethene	2300	1200
SVOCs	NE	NE
Metals	NE	NE

SB-22	11/2/07
	Testwell
Depth	9-11
VOCs	NE
SVOCs	NE
Metals	NE

SB-15	9/15/07
	Testwell
Depth	10-12
VOCs	NE
SVOCs	
Indeno[1,2,3-cd]pyrene	560
Metals	NE
Lead	142

SB-4	3/3/07	3/3/07
	Testwell	Roux
Depth	16-18	16-18
VOCs		
1,2,4 Trimethylbenzene	19000	11000
Ethylbenzene	NE	2000
Tetrachloroethene	12000	6200
Toluene	20000	10000
Total xylenes	25400	11600
Trichloroethene	750	NE
SVOCs	NE	NE
Metals		
Lead	107	119

SB-6	3/10/07	3/10/07
	Testwell	Roux
Depth	8-10	8-10
VOCs	NE	NE
SVOCs	NE	NE
Metals	NE	NE

SB-18	9/15/07
	Testwell
Depth	12-14
VOCs	NE
SVOCs	NE
Metals	NE

SB-21	9/29/07
	Testwell
Depth	8-10
VOCs	NE
SVOCs	NE
Metals	NE

SB-7	3/10/07	3/10/07
	Testwell	Roux
Depth	12-14	12-14
VOCs	NE	NE
SVOCs	NE	NE
Metals	NE	NE

SB-9	3/10/07	3/10/07
	Testwell	Roux
Depth	12-14	12-14
VOCs	NE	NE
SVOCs	NE	NE
Metals	NE	NE

LEGEND

SB-2	SOIL BORING LOCATIONS
SB-23	SOIL BORINGS LOCATED ON ADJACENT PROPERTY (FAVORITE PLASTIC CORP.)
	APPROXIMATE LOCATION OF FORMER USTs
	NON-FUNCTIONING HYDRAULIC LIFTS

SOURCE

BASEMAP ADAPTED FROM TESTWELL LABORATORIES,
INC, PHASE II ESA, DATE: 9/5/07

Parameter	Standards*	Standards**	Standards***
VOCs (µg/kg)			
1,2,4 Trimethylbenzene	3600	190000	3600
1,3,5 Trimethylbenzene	8400	190000	8400
Acetone	50	500000	50
Benzene	60	44000	60
Cis-1,2-Dichloroethene	250	500000	250
Ethylbenzene	1000	390000	1000
Methylene chloride	50	500000	50
Tetrachloroethene	1300	150000	1300
Toluene	700	500000	700
Total xylenes	260	500000	1600
Trichloroethene	470	200000	470
SVOCs (µg/kg)			
Benzo[a]anthracene	1000	5600	1000
Benzo[a]pyrene	1000	1000	22000
Benzo[b]fluoranthene	1000	5600	17000
Chrysene	1000	56000	1000
Dibenzo[a,h]anthracene	330	560	1000000
Indeno[1,2,3-cd]pyrene	500	5600	8200
Metals (mg/kg)			
Lead	63	1000	450

µg/kg – MICROGRAMS PER KILOGRAM

mg/kg – MILLIGRAMS PER KILOGRAM

* - NYSDEC PART 375 UNRESTRICTED STANDARDS

** - NYSDEC PART 375 RESTRICTED COMMERCIAL STANDARDS

*** - NYSDEC PART 375 PROTECTION OF
GROUNDWATER STANDARDS

NYSDEC - NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

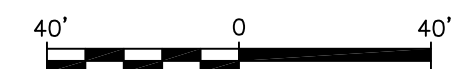
VOCS - VOLATILE ORGANIC COMPOUNDS

SVOCS – SEMIVOLATILE ORGANIC COMPOUNDS

NE - NO EXCEEDANCES

NOTE

DURING THE MARCH 2007 DRILLING PROGRAM, ROUX ASSOCIATES COLLECTED SPLIT SOIL SAMPLES FOR LABORATORY ANALYSIS.



Title:

HISTORICAL SOIL SAMPLE RESULTS

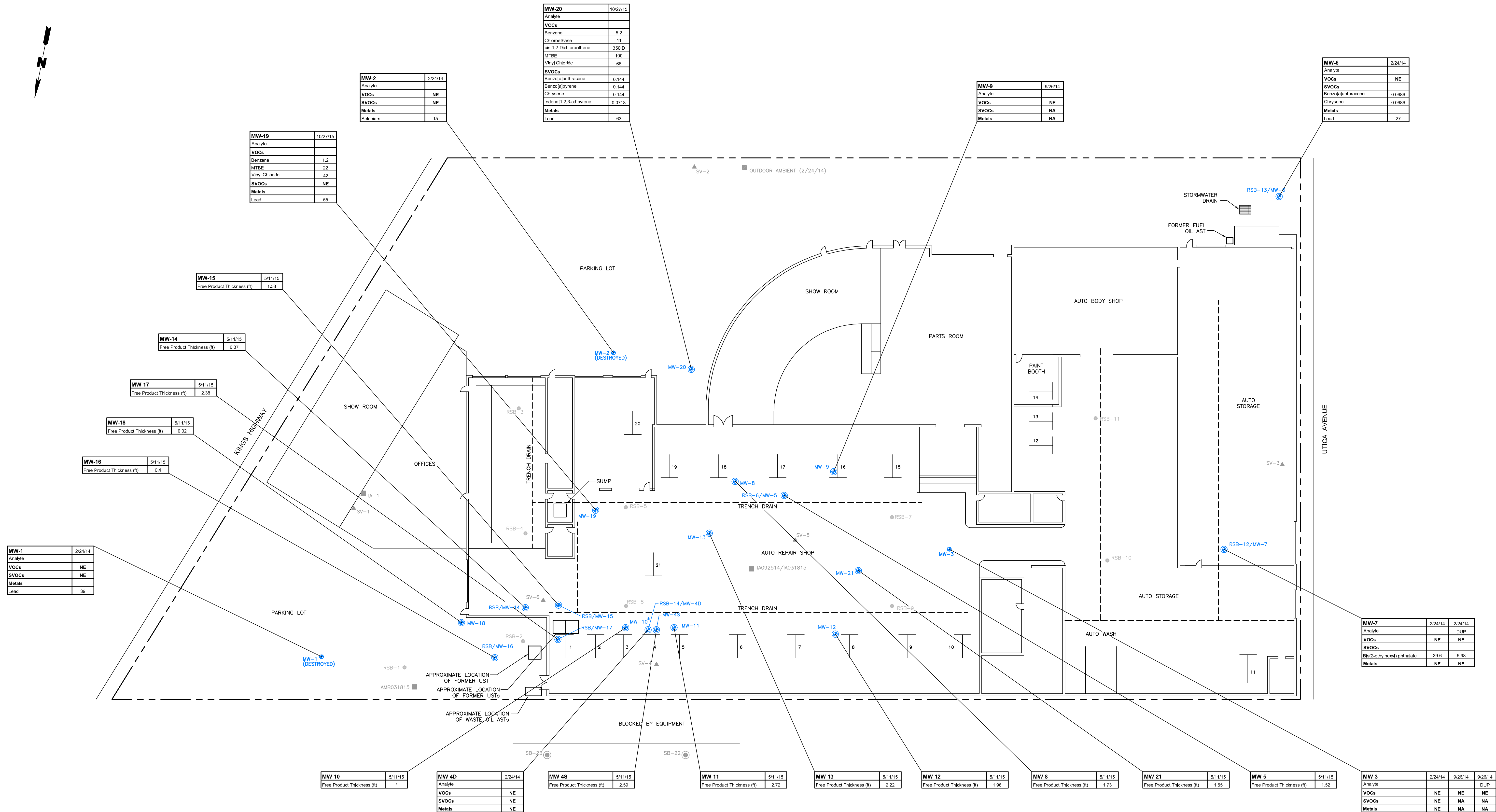
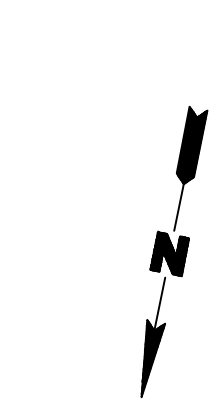
KRISTAL AUTO MALL
5200 KINGS HIGHWAY
BROOKLYN, NEW YORK, 11234

Prepared For:

IRMA C. POLLACK, LLC



Compiled by: W.M.	Date: 05JAN16
Prepared by: J.A.D.	Scale: AS SHOWN
Project Mgr: W.M.	Project: 1575.0002Y000
File: 1575.0002Y112R.04.DWG	



LEGEND

MW-1		EXISTING MONITORING WELL
MW-4		EXISTING MONITORING WELL INSTALLED BY ROUX ASSOCIATES
RSB-5		EXISTING SOIL SAMPLE
SV-1		EXISTING SOIL VAPOR SAMPLE POINT
SB-22		SB-22 AND SB-23 HISTORICAL SOIL BORINGS INSTALLED BY TESTWELL LABORATORIES, INC. 2007
IA-1		INDOOR/AMBIENT AIR SAMPLE

16 |

1

NON FUNCTIONING HYDRAULIC LIFTS
WITH DESIGNATION

PRODUCT THICKNESS NOT MEASURED
AT MW-10 DUE TO INTERFACE
PROBE MALFUNCTION

DATA BOX KEY

SAMPLE LOCATION SAMPLE DATE

Analyse	

VOCs	RE
SVOCs	NA

Metals	NA

ANALYTE ————— CONCENTRATION
mg/l %

Parameter	Standards* (µg/L)
VOCs	
Benzene	1
Methylene chloride	5
MTBE	10
Vinyl Chloride	2
SVOCs	
Benzo[a]anthracene	0.002
Benzo[a]pyrene	0
Bis(2-ethylhexyl) phthalate	5
Chrysene	0.002
Indeno[1,2,3-cd]pyrene	0.002
Metals	
Lead	25
Selenium	10

CONCENTRATIONS IN $\mu\text{g/L}$

µg/L -

* - NYSDEC AWQSGVS

TSDEC - NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

WQSGVs - AMBIENT WATER-QUALITY STANDARD

DUP. DUPLICATE SAMPLE

VOCs - VOLATILE ORGANIC COMPOUNDS

SVOCs - SEMIVOLATILE ORGANIC COMPOUND

NA - NOT ANALYZED

NOTE

1. SAMPLE LOCATIONS ARE APPROXIMATE.
2. RSB-14/MW-4D IS A DEEP WELL SCREENED FROM 30-40' BELOW LAND SURFACE. THIS WELL DOES NOT HAVE ANY FREE-PHASE PRODUCT.

SOURCE

BASEMAP ADAPTED FROM TESTWELL LABORATORIES,
INC, PHASE II ESA, DATE: 9/5/07

20' 0 20'

GROUNDWATER SAMPLE RESULTS

KRISTAL AUTO MALL
5200 KINGS HIGHWAY
BROOKLYN, NEW YORK 11234

Prepared For:

IRMA C. POLLACK, LLC

ROUX
ROUX ASSOCIATES, INC.
*Environmental Consulting
and Management*

Compiled by: W.M.	Date: 05JAN16	PLATE 3
Prepared by: J.A.D.	Scale: AS SHOWN	
Project Mgr: C.W.	Project: 1575.0002Y000	
File: 1575.0002Y112R.03.DWG		

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Parameter (Concentrations in µg/L)	Standards* (µg/L)
VOCs	
1,2,4-Trimethylbenzene	5
1,2-Dichloroethene (Total)	5
1,3,5-Trimethylbenzene	5
Benzene	1
Ethylbenzene	5
m+p-Xylene	5
MTBE	10
Naphthalene	10
n-Butylbenzene	5
n-Propylbenzene	5
o-Xylene	5
Tetrachloroethene	5
Toluene	5

µg/L – MICROGRAMS PER LITER

* – NYSDEC AWQSGVs

NYSDEC – NEW YORK STATE DEPARTMENT
OF ENVIRONMENTAL
CONSERVATION

AWQSGVs – AMBIENT WATER-QUALITY
STANDARDS AND GUIDANCE
VALUES

VOCs – VOLATILE ORGANIC
COMPOUNDS

NE – NO EXCEEDANCE

NA – NOT ANALYZED

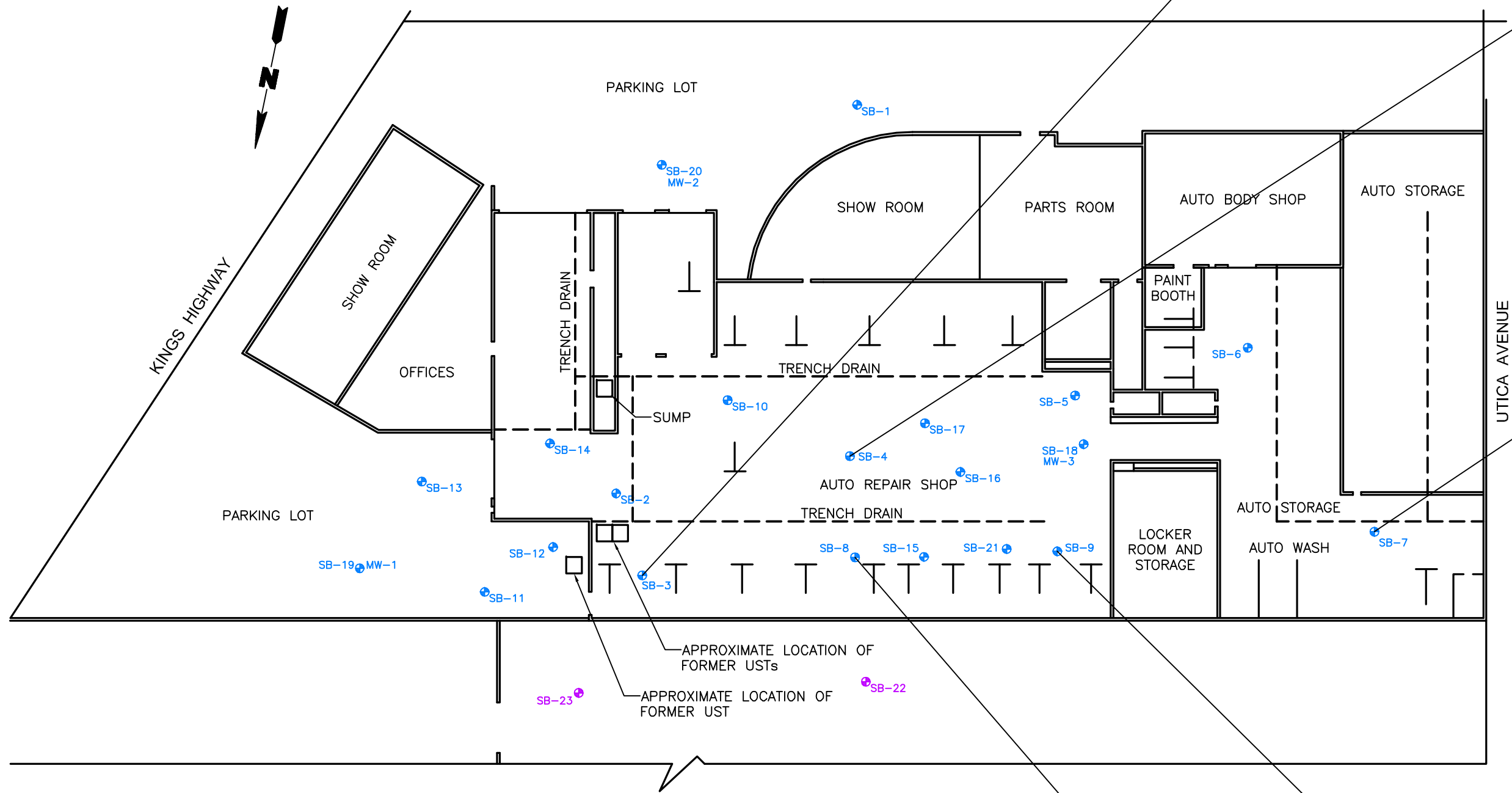
SB-3	3/3/07
VOCs	
1,2,4-Trimethylbenzene	36
1,2-Dichloroethene (Total)	68
1,3,5-Trimethylbenzene	11
Ethylbenzene	26
m+p-Xylene	82
MTBE	15
Naphthalene	25
o-Xylene	32
Toluene	300
SVOCs	NA

SB-4	3/3/07
VOCs	
1,2-Dichloroethene (Total)	2300
MTBE	3200
SVOCs	NA

SB-7	3/3/07
VOCs	NE
SVOCs	NE

SB-8	3/3/07
VOCs	
1,2,4-Trimethylbenzene	210
1,2-Dichloroethene (Total)	480
1,3,5-Trimethylbenzene	57
Benzene	43
Ethylbenzene	63
m+p-Xylene	220
MTBE	440
Naphthalene	110
n-Butylbenzene	16
n-Propylbenzene	25
o-Xylene	120
Tetrachloroethene	330
Toluene	240
SVOCs	NE

SB-9	3/3/07
VOCs	NE
SVOCs	NE



LEGEND

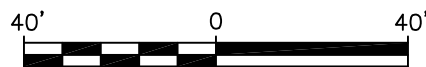
- SB-2 SOIL BORING LOCATIONS
- SB-23 SOIL BORINGS LOCATED ON ADJACENT PROPERTY
(FAVORITE PLASTIC CORP.)
- APPROXIMATE LOCATION OF FORMER USTs
- NON-FUNCTIONING HYDRAULIC LIFTS

NOTE

GROUNDWATER SAMPLES SHOWN ON THIS PLATE
WERE COLLECTED BY ROUX ASSOCIATES AS GRAB
SAMPLES FROM SOIL BORING BOREHOLES DURING
BORING/SAMPLING ACTIVITIES CONDUCTED BY
TESTWELL LABORATORIES, INC. IN 2007.

SOURCE

BASEMAP, ADAPTED FROM TESTWELL LABORATORIES,
INC, PHASE II ESA, DATE: 9/5/07



Title: HISTORICAL GROUNDWATER SAMPLE RESULTS KRISTAL AUTO MALL 5200 KINGS HIGHWAY BROOKLYN, NEW YORK, 11234			
Prepared For: IRMA C. POLLACK, LLC			
ROUX ROUX ASSOCIATES, INC. <i>Environmental Consulting and Management</i>	Compiled by: W.M.	Date: 05JAN16	PLATE 4
	Prepared by: J.A.D.	Scale: AS SHOWN	
	Project Mgr: W.M.	Project: 1575.0002Y000	
	File: 1575.0002Y112R.04.DWG		

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- LEGEND
- MW-1 (DESTROYED)
 - MW-4 (DESTROYED)
 - RSB-5
 - SV-1
 - SB-22
 - IA-1
 - 16
- EXISTING MONITORING WELL
EXISTING MONITORING WELL
INSTALLED BY ROUX ASSOCIATES
EXISTING SOIL SAMPLE
EXISTING SOIL VAPOR SAMPLE POINT
SB-22 AND SB-23 HISTORICAL
SOIL BORINGS INSTALLED BY
TESTWELL LABORATORIES, INC. 2007
INDOOR/AMBIENT AIR SAMPLE
NON FUNCTIONING HYDRAULIC LIFTS
WITH DESIGNATION

DATA BOX KEY

SAMPLE LOCATION	SAMPLE DATE
RSB-14/4D	2/10/14 2/18/14 2/19/14 2/19/14
Depth (ft)	2.5-3 3-7 10-11 38-40
VOCs	NE NE NE NE
SVOCs	NE NE NE NE
Benz[a]pyrene	1470 JD 1560 JD ND ND

ANALYTE	CONCENTRATION IN µg/L
1,2,4-Trimethylbenzene	0.64
2,5-Dimethylbenzene (MEK)	1.3
4-Ethyltoluene	0.54
Acetone	20
Benzene	0.99
Chloromethane	1.6
Dichlorodifluoromethane	2.4
Ethylbenzene	1.1
Isopropanol	6.1
m,p-Xylene	3.5
Methylene chloride	32
n-Hexane	8.3
o-Xylene	1.1
Toluene	5.7
Trichlorofluoromethane	1.9

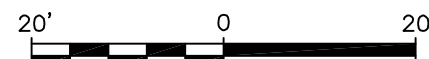
Parameter (Concentrations in µg/kg)	Standards (µg/kg)
SVOCs	
Benz[a]pyrene	1000

CONCENTRATIONS IN µg/m³

µg/m³ - MICROGRAMS PER CUBIC METER
VOCs - VOLATILE ORGANIC COMPOUNDS
J - ESTIMATED VALUE
U - INDICATES THAT THE COMPOUND
WAS ANALYZED FOR BUT NOT
DETECTED
D - A SECONDARY ANALYSIS AFTER
DILUTION DUE TO EXCEEDANCE
OF THE CALIBRATION RANGE IN
THE ORIGINAL SAMPLE
V - VALUE ALTERED OR QUALIFIER
ADDED DURING DATA VALIDATION
R - SAMPLE RESULTS REJECTED BY
VALIDATOR

- NOTE
- SAMPLE LOCATIONS ARE APPROXIMATE.
 - RSB-14/MW-4D IS A DEEP WELL SCREENED
FROM 30'-40' BELOW LAND SURFACE. THIS
WELL DOES NOT HAVE ANY FREE-PHASE
PRODUCT.

SOURCE
BASEMAP ADAPTED FROM TESTWELL LABORATORIES,
INC, PHASE II ESA, DATE: 9/5/07



Title: SOIL VAPOR SAMPLE RESULTS			
KRISTAL AUTO MALL 5200 KINGS HIGHWAY BROOKLYN, NEW YORK 11234			
Prepared For: IRMA C. POLLACK, LLC			
ROUX ROUX ASSOCIATES, INC. Environmental Consulting and Management	Compiled by: W.M.	Date: 05JAN16	PLATE 5
	Prepared by: J.A.D.	Scale: AS SHOWN	
	Project Mgr: C.W.	Project: 1575.0002Y000	
	File: 1575.0002Y112R.03.DWG		

SV-6	9/25/14	3/18/15
Analyte		
VOCs		
1,2,4-Trimethylbenzene	RV	12 D
1,3,5-Trimethylbenzene	RV	3.6 D
1,4-Dichlorobenzene	RV	1.2 D
2-Butanone (MEK)	RV	0.57 D
4-Ethyltoluene	RV	13 D
Tetrachloroethene	RV	43 D
Acetone	RV	5.6 D
Carbon disulfide	RV	1.7 D
Carbon tetrachloride	RV	0.81 D
Cyclohexane	RV	0.66 D
Dichlorodifluoromethane	RV	2.7 D
Ethylbenzene	RV	21 D
Isopropanol	RV	0.88 D
m,p-Xylene	RV	97 D
n-Heptane	RV	11 D
n-Hexane	RV	14 D
o-Xylene	RV	28 D
Tetrachloroethene	RV	5.8 D
Toluene	RV	61 D
Trichlorofluoromethane	RV	1.3 D

IA-1	2/24/14
Analyte	
VOCs	
1,2-Dichloroethane	0.58
2-Butanone (MEK)	0.9
Acetone	1.7
Benzene	0.39
Chlorobenzene	0.47
cis-1,2-Dichloroethene	0.48
Methylene chloride	1.1 UV
Tetrachloroethene	0.69
Tetrahydrofuran	0.66
Toluene	0.5
Trichloroethene	1.2

SV-1	2/24/14
Analyte	
VOCs	
Methylene chloride	11 UV

SV-4	2/24/14	9/25/14	3/18/15
Analyte			
VOCs			
1,2,4-Trimethylbenzene	ND	13 D	2.6 D
1,3,5-Trimethylbenzene	ND	ND	2.2 D
1,4-Dichlorobenzene	ND	ND	1.8 D
2-Butanone (MEK)	ND	27 D	0.36 D
4-Ethyltoluene	ND	14 D	3.4 D
4-Methyl-2-pentanone (MIBK)	ND	13 D	ND
Acetone	34 D	160 D	8.3 D
Benzene	ND	ND	0.64 D
Carbon Disulfide	ND	ND	0.56 D
Carbon Tetrachloride	ND	ND	0.63 D
Cyclohexane	ND	ND	0.58 D
Dichlorodifluoromethane	ND	ND	2.4 D
Ethylbenzene	ND	17 D	5.1 D
Isopropanol	ND	38 D	1.6 D
m,p-Xylene	ND	59 D	20 D
Methylene chloride	9.1 UV	ND	17 D
n-Heptane	ND	ND	1.2 D
n-Hexane	ND	ND	7.1 D
o-Xylene	ND	21 D	17 D
Tetrachloroethene	1100 D	220 D	100 D
Toluene	ND	59 D	31 D
Trichloroethene	ND	ND	1.1 D
Trichlorofluoromethane	ND	ND	1.7 D

SV-2	2/28/14
Analyte	
VOCs	
Methylene chloride	8.5 UV

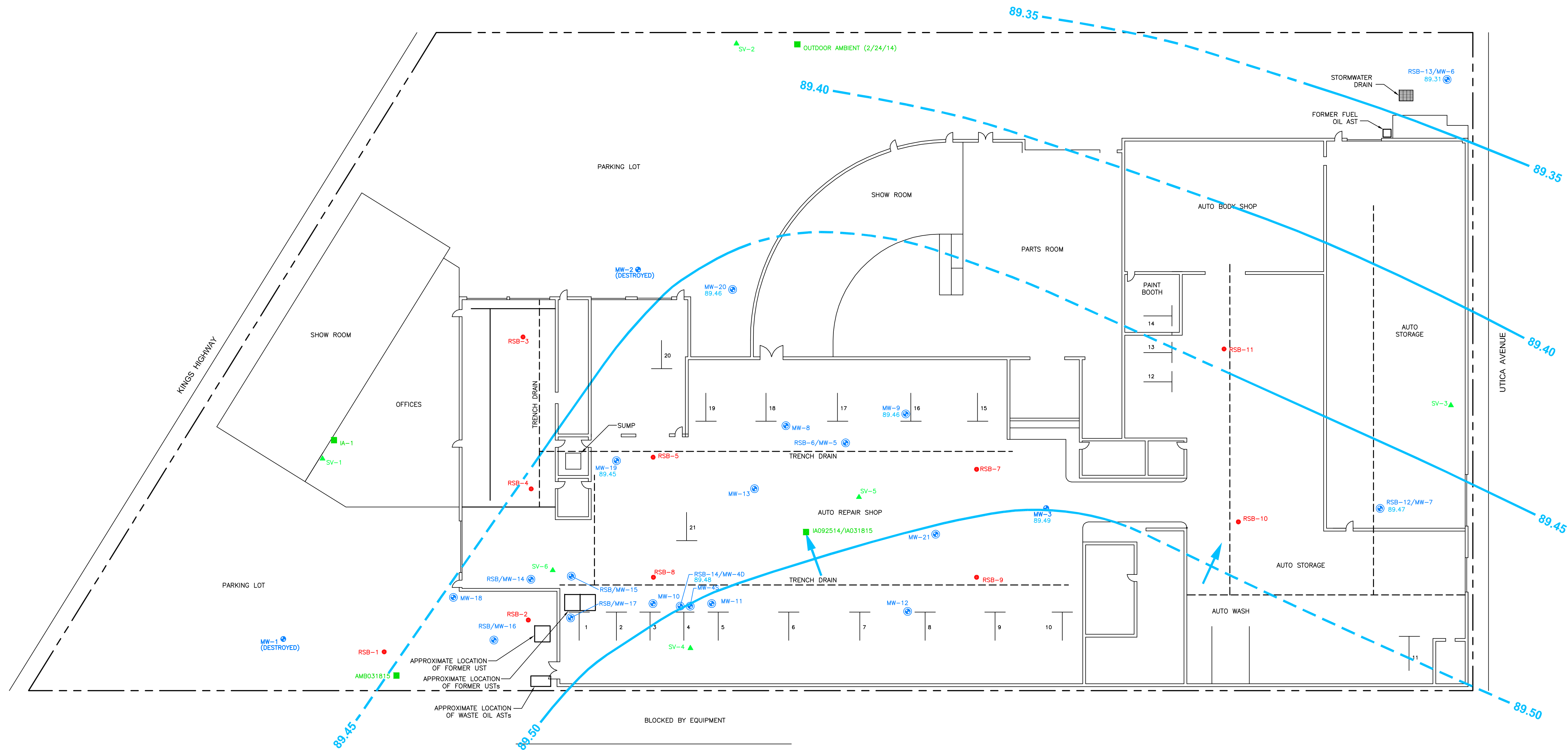
Outdoor Ambient	2/24/14
Analyte	
VOCs	
1,2,4-Trimethylbenzene	1.2
2-Butanone (MEK)	1.6
4-Ethyltoluene	1.4
Acetone	8
Benzene	0.86
Chloromethane	1.1
Dichlorodifluoromethane	2.4
Ethylbenzene	0.86
m,p-Xylene	2.7
Methylene chloride	1.2 UV
n-Heptane	0.54
n-Hexane	0.39
o-Xylene	0.84
Tetrachloroethene	0.83
Toluene	3.3
Trichlorofluoromethane	1.2

SV-5	2/24/14	9/25/14	3/18/15
Analyte			
VOCs			
1,2,4-Trimethylbenzene	ND	18 D	17 D
1,3,5-Trimethylbenzene	ND	ND	5.4 D
1,3-Butadiene	ND	ND	7.3 D
2-Butanone (MEK)	ND	16 D	2.4 D
4-Ethyltoluene	ND	26 D	16D
4-Methyl-2-pentanone (MIBK)	ND	36 D	ND
Acetone	13 D	220 D	20 D
Benzene	ND	9.2 D	31 D
Carbon disulfide	ND	11 D	ND
Cyclohexane	ND	ND	32 D
Dichlorodifluoromethane	ND	ND	2.3 D
Ethylbenzene	ND	30 D	38 D
Isopropanol	ND	78 D	ND
m,p-Xylene	ND	100 D	150 D
Methylene chloride	16 UV	ND	3.1 D
n-Heptane	ND	28 D	54 D
n-Hexane	ND	ND	110 D
o-Xylene	ND	40 D	47 D
Tetrachloroethene	88 D	210 D	70 D
Toluene	ND	1100 D	390 D
Trichloroethene	13 D	21 D	6.9 D
Trichlorofluoromethane	ND	ND	1.3 D

SV-3	2/24/14
Analyte	
VOCs	
Acetone	18 D
m,p-Xylene	31 D
Methylene chloride	7.5 UV
o-Xylene	8.6 D
Toluene	24 D

Indoor Air	IA092514	IA031815
Analyte		
VOCs		
Carbon tetrachloride	RV	ND
Tetrachloroethane	RV	2.1 D
1,2,4-Trimethylbenzene	RV	120 D
1,3,5-Trimethylbenzene	RV	94 D
1,3-Butadiene	RV	16 D
1,4-Dichlorobenzene	RV	8.9 D
2-Butanone (MEK)	RV	63 D
4-Ethyltoluene	RV	120 D
Acetone	RV	4700 D
Benzene	RV	140 D
Carbon disulfide	RV	ND
Chloromethane	RV	1.2 D
Cyclohexane	RV	130 D
Dichlorodifluoromethane	RV	1.7 D
Ethylbenzene	RV	200 D
Isopropanol	RV	15 D
m,p-Xylene	RV	780 D
Methylene chloride	RV	3.7 D
n-Heptane	RV	270 D
n-Hexane	RV	350 D
o-Xylene	RV	240 D
Toluene	RV	1800 D
Trichlorofluoromethane	RV	1.2 D

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LEGEND

- MW-1 (blue circle with dot) EXISTING MONITORING WELL
- MW-4 (blue circle with dot) EXISTING MONITORING WELL INSTALLED BY ROUX ASSOCIATES
- RSB-5 (red dot) EXISTING SOIL SAMPLE
- SV-1 (green triangle) EXISTING SOIL VAPOR SAMPLE POINT
- SB-22 (grey circle) SB-22 AND SB-23 HISTORICAL SOIL BORINGS INSTALLED BY TESTWELL LABORATORIES, INC. 2007
- IA-1 (green square) INDOOR/AMBIENT AIR SAMPLE

- 16 (blue line) NON FUNCTIONING HYDRAULIC LIFTS WITH DESIGNATION
- 89.31 (blue line) GROUNDWATER ELEVATIONS (FEET RELATIVE TO SITE DATUM)
- 89.35 (blue line) LINE OF EQUAL GROUNDWATER ELEVATION (DASHED WHERE INFERRED)
- 89.35 (blue arrow) GROUNDWATER FLOW DIRECTION

SOURCE

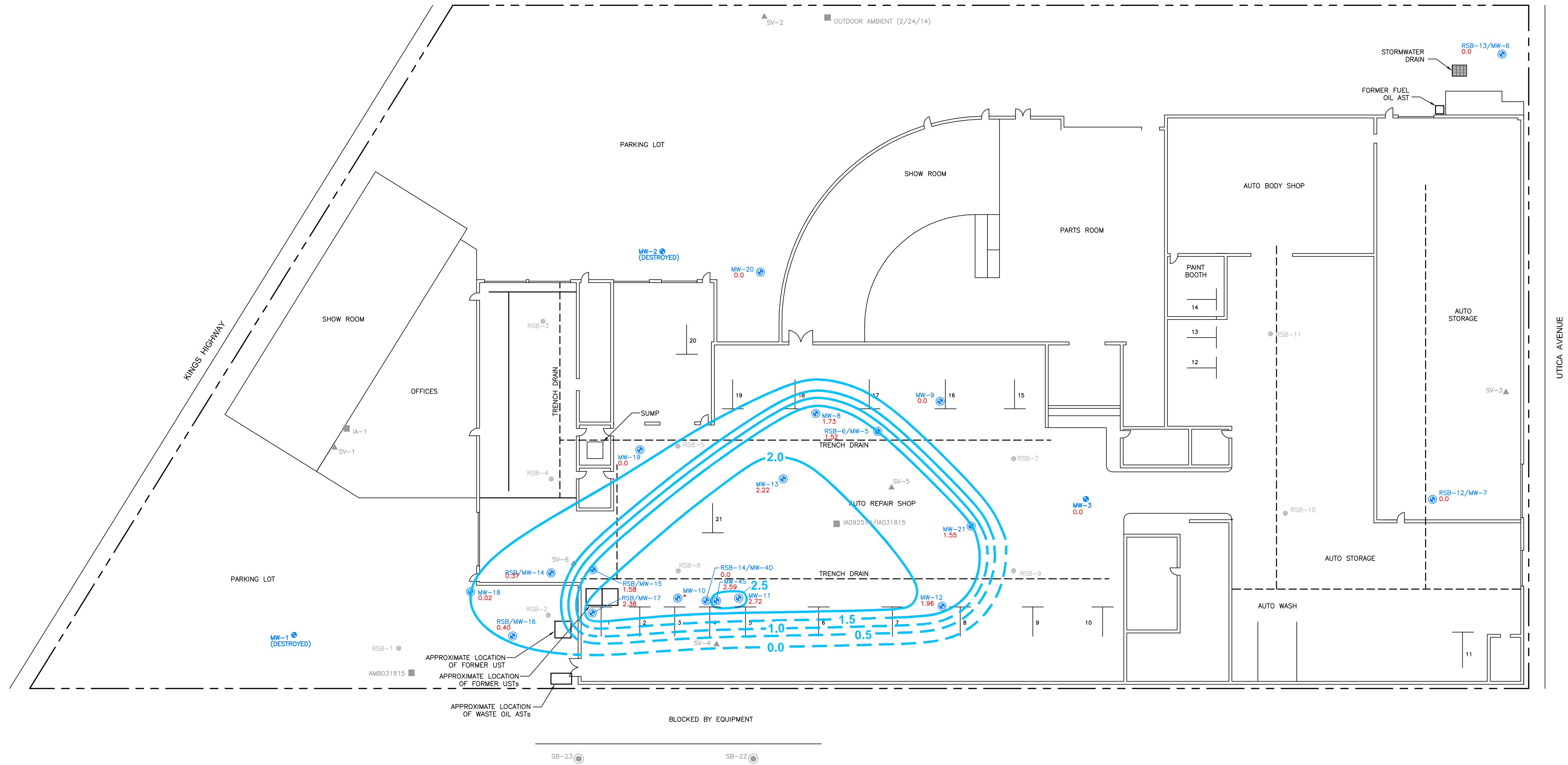
BASEMAP ADAPTED FROM TESTWELL LABORATORIES, INC. PHASE II ESA, DATE: 9/5/07

NOTE

- SAMPLE LOCATIONS ARE APPROXIMATE.
- RSB-14/MW-4D IS A DEEP WELL, SCREENED FROM 30'-40' BELOW LAND SURFACE. THIS WELL DOES NOT HAVE ANY FREE-PHASE PRODUCT.
- WELLS WITH FREE PHASE PRODUCT WERE NOT USED.

20' 0 20'

Title: GROUNDWATER ELEVATION CONTOURS MAY 11, 2015 KRISTAL AUTO MALL 5200 KINGS HIGHWAY BROOKLYN, NEW YORK 11234			
Prepared For: IRMA C. POLLACK, LLC			
ROUX ROUX ASSOCIATES, INC. Environmental Consulting and Management	Compiled by: W.M.	Date: 05JAN16	PLATE
	Prepared by: B.H.C.	Scale: AS SHOWN	
	Project Mgr: C.W.	Project: 1575.0002Y000	6
	File: 1575.0002Y112R.03.DWG		



LEGEND

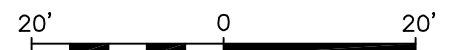
MW-1	EXISTING MONITORING WELL	16	NON FUNCTIONING HYDRAULIC LIFTS WITH DESIGNATION
MW-4	EXISTING MONITORING WELL INSTALLED BY ROUX ASSOCIATES	0.0	LINE OF EQUAL FREE-PRODUCT THICKNESS, IN FEET (DASHED WHERE INFERRED)
RSB-5	EXISTING SOIL SAMPLE	2.72	FREE PRODUCT THICKNESS, IN FEET
SV-1	EXISTING SOIL VAPOR SAMPLE POINT		
SB-22	SB-22 AND SB-23 HISTORICAL SOIL BORINGS INSTALLED BY TESTWELL LABORATORIES, INC. 2007		
IA-1	INDOOR/AMBIENT AIR SAMPLE		

SOURCE

BASEMAP ADAPTED FROM TESTWELL LABORATORIES, INC. PHASE II ESA, DATE: 9/5/07

NOTE

- SAMPLE LOCATIONS ARE APPROXIMATE.
- RSB-14/MW-4D IS A DEEP WELL, SCREENED FROM 30'-40' BELOW LAND SURFACE. THIS WELL DOES NOT HAVE ANY FREE-PHASE PRODUCT.



Title: EXTENT OF FREE PHASE HYDROCARBONS MAY 11, 2015 KRISTAL AUTO MALL 5200 KINGS HIGHWAY BROOKLYN, NEW YORK 11234			
Prepared For: IRMA C. POLLACK, LLC			
ROUX ROUX ASSOCIATES, INC. Environmental Consulting and Management	Compiled by: W.M. Prepared by: J.A.D. Project Mgr: C.W.	Date: 05JAN16 Scale: AS SHOWN Project: 1575.0002Y000 File: 1575.0002Y112R.03.DWG	PLATE 7