FORMER QUICK AND CLEAN CLEANERS
Site # 130198

FINAL

REMEDIAL INVESTIGATION REPORT
(RIR)

PREPARED FOR:
380 ROCKAWAY TURNPIKE REALTY CORPORATION
36 LAWRENCE AVENUE
LAWRENCE, NEW YORK 11559

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NEW YORK STATE DEPARTMENT OF
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625 BROADWAY
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Table of Contents

Figures

Table of Contents Cont...

Attachments

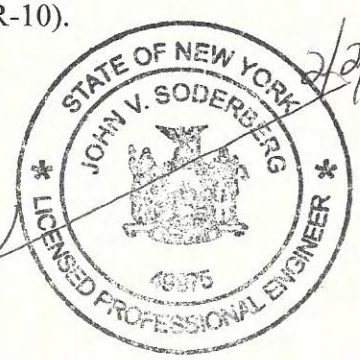
DER-10 Certification

I, John V. Soderberg, certify that I am currently a NYS registered professional engineer [as defined in 6 NYCRR Part 375] , and that this Remedial Investigation Report (RIR) was prepared in accordance with all applicable statutes and regulations and is in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).

2/2/15

John V. Soderberg P.E

Seal:



Signature:

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Date: February 2nd , 2015

1.0 Introduction

The following document is a Remedial Investigation Report (RIR) prepared by John V. Soderberg P.E (JVS) on behalf of 380 Rockaway Turnpike Corporation located at 380 Rockaway Turnpike, Cedarhurst, Nassau County, New York.

The Site is the location of the former Quick and Clean Cleaners, an on-site dry-cleaning service which operated on the premises from at least 1980 to 1991. Investigations performed by the Nassau County Department of Health (NCDOH) in 1980 and 1991 found that tetrachloroethene (PCE) had been released at the Site in discharge water and/or condensate (vapors).

The Site was assigned a "P" (potential) listing on the Inactive Hazardous Waste Site Registry by the New York Department of Environmental Conservation (NYSDEC) in 2009. The NYSDEC conducted a site characterization in July-August 2001 (SCR 8/10) and upgraded the registry listing to a Class 2 site in August 2011.

This RIR discusses the off-site groundwater investigation conducted in order to supplement the data characterized by the NYSDEC on December 8, 2009 through March 25, 2010 in order to fully define the nature and extent of the plume. The data derived from the Remedial Investigation Work Plan (RIWP) will also be used to enhance/complete the Conceptual Site Model (CSM) partially initiated by Environmental Assessment and Remediation (EAR) (NYSDEC contractor).

1.1 Site Location and Description

The address for the subject property is 380 Rockaway Turnpike, Cedarhurst, NY. The subject property is designated as Section 39, Block 344, Lots 216 and 220 by the Nassau County Department of Assessment. The subject property is located within the Incorporated Village of Cedarhurst, Town of Hempstead, Nassau County, NY as shown in Figure-1. The lot has 123 feet of frontage on Rockaway Turnpike and is approximately 100 feet deep for a combined area of 0.318 acres (13,853 ft2). Figure-2.

The subject site is developed with a 3,984ft^2 1-story masonry building, built in 1962 for commercial (retail) use. The site was recently renovated in order to occupy a walk-in medical facility. No structural renovations were made to the buildings foundation or frame work.

The elevation of the property ranges from approximately 10 to 13 feet above National Geodetic Vertical Datum (NGVD). The topography in the vicinity of the site generally slopes from southeast to northwest. The depth to groundwater beneath the site, as determined from field measurements, is approximately 4.5 to 5.0 feet below grade surface (bgs). Groundwater flow has been determined to be northwest based on the field survey conducted and the previously conducted investigation data indicating a northwesterly groundwater flow due to the nature of the findings northwest of the Site and/or source area.

The area surrounding the Site consists of retail "strip stores" and service stations along the east side of Rockaway Turnpike with single-family residential homes located adjacent to the east. Adjacent properties to the north include a former Cumberland Farms Service Station (CFSS) and an active Shell station. Adjacent properties to the south include a Sunoco, Getty and Gulf service stations. In total the subject property is flanked north and south by four (4) active and one (1) former service station. The west side of Rockaway Turnpike is characterized by larger shopping centers with industrial buildings/warehouses, major oil storage facilities (MOSF) and the Town of Hempstead incinerator plant adjacent to the west.

1.2 Site History

The environmental history of the subject lots was summarized in the SCR dated August 2010 as prepared by Environmental Assessment and Remediation (EAR) under contract to the NYSDEC. This summary consisted of a chronology of events based solely on NCDOH files. According to the SCR the NCDOH identified approximate PCE concentrations of 67,000 ppb in a sample of "industrial wastewater discharge" at the Site on 3/26/80. In 1991 NCDOH reported PCE concentrations of 1.3 million ug/kg in shallow soil (<2 ft) adjacent to a vapor discharge pipe in the rear of the building. This soil was successfully removed in 1992 by the operator under NCDOH oversight and the case was closed by NCDOH on 3/30/92. In 2009 the NYSDEC classified the site with a "P" designation for potential listing on the Inactive Hazardous Waste Site Registry.

1.3 Summary of Site Characterization Report

The field investigation portion of the SCR was conducted at the site from December 8, 2009 through March 25, 2010 and consisted of the collection and analysis of 7 soil samples from 7 boring locations, 28 groundwater samples from 10 on-site locations, 39 groundwater samples from 9 off-site locations and 6 soil gas samples from 4 on-site and 2 off-site locations. All soil and groundwater samples were collected with GeoProbe®-type direct push equipment and tooling.

According to logs contained in the SCR, soil samples were collected for the first 8 feet through a 4 ft macro-core sampler using the single-tube method and then using a 4 ft large bore sampler for the remainder of the boring to a maximum of 20 ft. On-site groundwater sampling performed in December 2009 were collected through a 2 ft mill slotted rod which was driven to multiple depths ranging from 10 to 70 feet with samples collected in 10 foot intervals. Off-site samples collected in March 2010 utilized a 2 ft wire wrap discrete sampler. Purge volumes varied considerably ranging from 0 to 0.5 gallons per sample for the mill slot sampler to 0.10 to 3 gallons for the wire wrap sampler.

The results of this investigation did not identify any chlorinated compounds above unrestricted soil clean up objectives (SCOs) in any of the soil samples collected. However, petroleum VOCs including ethylbenzene, toluene and xylene were reported in 5 of 7 soil samples at concentrations significantly above unrestricted and groundwater protection SCOs. Total petroleum VOCs in soil ranged from 2,550 ug/kg at location EP7 (12-14 ft) to 107,000 ug/kg at EP5 (12-14 ft). EP5 is located near the south property line adjacent to the Sunoco service station.

On-site groundwater samples reported elevated concentrations of both chlorinated VOCs (CVOCs) and petroleum VOCs (PVOCs) at every sampling location. With the exception of EP7 the highest concentrations of both CVOCs and PVOCs were reported in the shallowest samples. EP7 reported the highest detections of both CVOCs and PVOCs in the 70-72 ft interval and had the highest PVOC concentrations reported with a total of 185,426 ug/L.

CVOC detections in the shallow intervals ranged from low concentrations (<20 ug/L) at EP5 (20-22 ft) to 14,830 ug/L at EP9 (10-12 ft). In addition to EP9, the highest CVOC concentrations were reported at locations MW7, EP8 (10-12 ft) and EP3 (10-12 ft). On-site CVOC totals were comprised almost entirely of cis-dichloroethene ©-DCE) and vinyl chloride (VC). The highest tetrachloroethene (PCE) and trichloroethene (TCE) concentrations were reported as 595 and 217 ug/L, respectively, in EP8 (20-22 ft). On-site CVOC concentrations were generally highest at the rear (east) and north side of the building.

PVOC concentrations in shallow samples ranged from 2,907 ug/L at location EP1 (20-22 ft) to 30,821 ug/L at EP3 (10-12 ft). In almost all cases PVOC concentrations were considerably higher than the CVOC concentrations. The anomalously high CVOC and PVOC concentrations reported at EP7 (70-72 ft) were not explained in the SCR and are likely attributed to deficiencies in the method of sampling.

Off-site CVOC concentrations were highest in samples from the 30-32 ft interval and ranged from 51 ug/L at location EP10 (west of the subject site) to 21,149 ug/L at location EP15. Off-site CVOC concentrations were comprised for the most part of PCE with only small amounts of TCE and the other parameters. Off-site PVOC detections were generally low and ranged from non-detect to 162 ug/L with the highest detections reported in the 50-52 interval. CVOC detections in soil gas ranged from 11 ug/m^3 to 5,717 ug/m^3 with the highest concentrations occurring in SP2 and SP5 located at the north property line. The main constituent in the soil gas at these locations was cis-DCE.

1.4 Site Geology / Hydrogeology

According to boring logs included in the SCR, subsurface materials at the site consist of medium to coarse sand and gravel for the upper 10 feet followed by fine to medium sand to 18 feet below grade. A 1 to 2 ft layer of silt and clay was reported at some locations. Soils deeper than 20 feet were not characterized though silt and clay zones were suspected at 34 feet to 52 feet based on limited groundwater recharge and clogging of the groundwater sampling tools with silt and clay. The boring log from location EP7 shows that this condition continued to a final depth of 72 feet.

The depth to groundwater was not measured at the site during the site characterization though it is reported in the drill logs at a depth of 11 feet below the surface. However, this is inconsistent with water level measurements made in monitoring wells at the adjacent property to the north that report the depth to water ranging from 3.61 to 4.89 feet. The groundwater flow direction has been confirmed to be in a northwesterly direction as per the field survey conducted at the site.

1.5 Conceptual Site Model (CSM)

The source of the on-site CVOC contamination has been identified as a former shallow PCE impacted soil area at the rear of the building near the southeast corner of the property. Based on NCDOH reports and follow-up investigations the source area consisted of a 12 ft x 12 ft area which extended 3 to 3.5 feet deep. The area was exposed and covered at the surface with a layer of gravel. Precipitation recharging through this impacted soil would become contaminated with PCE transporting it to the shallow water table as a dissolved component and forming a contaminant plume. The plume would then migrate in the direction of groundwater flow.

The presence of high concentrations of petroleum (gasoline) constituents in soil and groundwater along the south property line and near the southeast corner indicates past migration from the known gasoline spill at the adjacent Sunoco S/S to the south.

According to the modeling figures previously drafted during the initial site characterization, PCE was shown to be almost exclusively present off-site with almost no transformation products present. After analyzing more recent data collected as part of RIWP, it appears that PCE and daughter breakdown products are also present on-site at elevated concentrations above groundwater standards.

CVOCs have been documented on the former CFSS property to the north including the far northwest corner of the property. The CFSS was known to include an auto repair shop with shallow recharge structures present across the property. PCE is also historically and extensively used in automobile brake cleaning and engine degreasing products. It is therefore possible that there may be other sources of PCE responsible for the off-site groundwater contamination reported in the SCR.

In the absence of some induced vertical transport condition such as that created by a pumping well, there does not appear to be any mechanism to account for contaminant migration to the deeper zones of the aquifer. The fact that both CVOCs and PVOCs were found at depths combined with the description of silts, clays and limited recharge of groundwater to sampling equipment points, the possibility exists that PVOC and CVOC contamination may have been transported to deeper depths via sample tooling. In sampling groundwater through highly heterogeneous zones and formations of low permeability, leakage can occur around the borehole and through the threaded connections of the rods themselves, which can transport contamination vertically. An additional boring sampled to a depth of 72’ bgs, located up gradient from the source area (south of former cleaners), will help determine the quantity of PVOC contamination found at this depth, if any at all. Since petroleum constituents are considered to be LNAPL’s it is highly

unlikely that petroleum impacts to groundwater at 72' bgs are conclusive. If in fact a petroleum related plume is present at this depth the performance of an up gradient boring to a depth of 72' bgs should provide conclusive evidence as to whether or not the on-site petroleum related impacts occurred naturally via vertical migration. More information regarding additional up gradient sampling locations is discussed later in the report.

1.6 Remedial Action Objectives

Based upon contamination discovered on and off-site above regulatory standards for groundwater the following Generic Remedial Action Objectives (RAOs) will apply during the remedial phase in order to protect the environment and the interest of the public's health:

- prevent ingestion of groundwater with contaminant levels exceeding drinking water standards;
- prevent contact with, or inhalation of volatiles, from contaminated groundwater;
- restore groundwater aquifer to pre-disposal/pre-release conditions, to the extent practicable;

- remove the source of ground or surface water contamination

Based upon the potential for Soil Vapor Intrusion (SVI) due to groundwater contamination present on and off-site, the following RAOs apply for the protection of the environment and the interest of the public's health:

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

More information regarding future remedial work in order to comply with the generic RAOs established for the site is discussed within section 6.0 of this report.

An Interim Remedial Measure (IRM) to address vapor intrusion in the form of a Sub-slab Depressurization System (SSDS) in order to protect the health interest of on-site workers has been developed and approved by the Department on July 23, 2015. An IRM Construction Completion Report (CCR) will be issued to the Department documenting all installation activities.

2.0 Remedial Investigation Report (RIR)

The data derived from the RIWP is being used to supplement the data-set collected during the Site Characterization in order to fill data gaps and complete the CSM. The following data was collected as part of the RIWP conducted during April, June and October of 2013.

- vertical and horizontal sampling was conducted off-site to the northwest of the subject site (near Chase Bank) and off-site to the east, south east and south of the source area in order to complete delineation.

- Supplemental sampling of former CSM locations in order to vertically delineate contamination at EP-13, 15 and 18.

- Five (5) groundwater samples were collected in the vicinity of the former source area (GW-01-05) to assess vertical migration of DNAPL.

- Soil vapor study that consisted of sampling all adjacent and surrounding properties in order to analyze sub-slab, outdoor and indoor air conditions as compared to the NYSDOH Guidance for Soil Vapor Intrusion, 2006**.**

- Installation of three (3) on-site groundwater monitoring wells used to determine groundwater flow direction.

2.1 Groundwater Sampling Procedure

Multiple off-site locations were analyzed in order to complete the vertical and horizontal delineation of CVOC related groundwater impacts emanating from the site. Sample collection locations and depths are depicted in Figure-3.

A GeoProbe® 6610 equipped with a 4 foot temporary well screen sampling tool (screen point 16 or SP-16), was directly pushed into the aquifer zone to acquire sample collection at multiple depths. Since PCE is a DNAPL, groundwater grab samples were collected from the bottom of the SP-16 well screen. This was achieved by lowering new poly tubing through the probe rods to the bottom of the slotted screen with purging and sampling using a peristaltic pump with a low flow rate (less than 100 ml/minute). Sample procurement was achieved through the use of dedicated polyethylene tubing and a peristaltic pump. Multi-depth samples at each selected boring location were collected from the deepest target point in the aquifer first with the shallowest interval collected last. This bottom-up method was used with the SP-16 in order to limit the amount of boreholes to just one (1) per location when conducting the multi-depth sampling procedure. It also minimizes the chances for cross contamination.

All groundwater sampling activities were recorded in the project dedicated field book. This includes a description of:

- Date and time of sample collection
- Sample location
- Purging time, duration and volume
- Sample appearance

2.1.1 Off-site Groundwater Sampling Locations and Intervals

In order to fill data gaps and complete the delineation of chlorinated solvents to satisfy the previously conducted CSM, the following areas were investigated as part of the RIWP: north, west and east of the Chase Bank located northwest of the subject site. Previous locations EP-13, 15 and 18 were sampled in order to complete vertical delineation. The objective is to complete data gaps where PCE (and breakdown products) were not fully delineated in groundwater to the northwest with regard to meeting regulatory standards. Finally, southeast of the source area, where 1, 2 DCE has not been fully delineated, multiple borings were conducted (directly south and east of the former cleaners) in order to complete the CSM. Figure-3 shows all the locations of the borings conducted and the multiple depths at which groundwater samples were collected.

Three (3) previous sampling locations EP-13, 15 and 18, located on Figure-3 were sampled in order to vertically delineate chlorinated contamination discovered in these locations. PCE impacts as high as 4,620 ppb were discovered at EP-15 from 50-52' but no data beyond this depth was collected before the RIWP. EP-13 and 18 also show PCE impacts at 50-52', not nearly as significant as EP-15, but concentrations do exceed SGVs. Sampling at these three locations has been conducted to a depth of 60' bgs.

Four (4) groundwater samples were collected during October 2013 to the north, east and west of the Chase Bank located across the street from the former cleaners on the west side of Rockaway Turnpike. The sampling intervals were as follows: 20-24', 30-34', 40-44', 50-54' and 60-64'.

The third and final area of the off-site investigation was located south and east of the former dry cleaning building. As depicted in Figure-3 five (5) boring locations were conducted in order to complete the delineation of 1, 2 DCE both horizontally and vertically. One (1) of these up-gradient borings extended to a depth of 74' bgs in order to determine if PVOCs and CVOCs discovered at this depth (in a previously conducted boring labeled EP-7) occurred as a result of natural migration processes or were manufactured via penetration of a confining layer. This boring was sampled at multiple intervals including; 15-19', 30-34', 40-44', 50-54', 60-64' and 70-74'bgs. The remaining four (4) borings located in Figure-3 were collected at the following depths:10-12', 20-22' and 30-32'.

According to the SCR, conducted by EAR, a majority of the 1, 2 DCE was found in and around the source area to a depth of approximately 25' bgs with the absolute highest concentrations found in the upper portion of the aquifer. It does not appear necessary to probe beyond a depth of 29' bgs in this area and risk puncturing a confining layer, which could result in the release of DNAPL to deeper depths. The rational behind the one (1) selected boring that extends to a depth of 74' bgs is that it will be located far enough up-gradient, outside of the immediate source area, where 1, 2 DCE concentrations should be significantly lower preventing the transport of any significant concentrations to deeper depths via sample tooling. The sampling procedure included the use of o-rings (rubber gaskets applied to rods at connection points) to prevent the leakage of contaminated groundwater through the threaded connection points.

2.1.2 Laboratory Analysis and Sample Collection

All groundwater samples collected were analyzed by EPA Method 8260 (VOCs) with a Category – B deliverable package provided for third party data validation purposes. Samples were submitted to the laboratory for a standard turnaround time, which is one to two weeks. Samples were transported under strict chain of custody to an ELAP New York State certified laboratory. For sample collection two (2) pre-preserved 40 milliliter glass vials were filled to overflow so no air bubbles get entrapped in the vial. Samples were immediately placed in an ice filled cooler to maintain a temperature of approximately 4 degrees C (39 degrees F). Each sample was properly labeled and recorded on the chain of custody form. The required trip blanks, method blanks and matrix spike/ matrix spike duplicates were collected as per the DER-10 sampling protocol. More information regarding laboratory analysis and sampling collection is discussed in the Quality Assurance and Quality Control section 3.0. Validated lab data for the entire investigation is included as Attachment- G.

2.2 Remedial Investigation Results

In order to further delineate vertical chlorinated contamination in previously conducted groundwater sampling locations EP-13, 15 and 18, groundwater samples were collected at these boring locations from 60-64' bgs. Lab results for EP-13 @ 60-62' indicated PCE concentrations of 16 ppb. Previous samples conducted in this same location detected PCE concentrations of 76.8 ppb at 50-52'. EP-15 @ 60-64' detected PCE at a concentration of 29 J ppb as this sample location previously detected PCE at 4,620 ppb from 50-52'. EP-18 @ 60-62' detected PCE at 35 ppb and previously detected PCE at 111 ppb from 50-52'. Please refer to Figures-8a-11b depicting the supplemental data added to the CSM. The CSM offers an aerial and vertical profile view of PCE and its transformation products present within the plume. Additional groundwater sampling locations were conducted to the northwest of the previous locations (EP-13, 15 and 18) in order to fill in data gaps within the CSM. A total of four (4) boring locations were selected to the north of the Chase Bank building located northwest of the site. Samples GW-06, GW-07, GW-08 and GW-09 were all collected from the following depths in order to delineate off-site groundwater contamination: 20-24', 30-34', 40-44', 50-54' and 60-64'. GW-06 collected to the southwest of the Chase Bank did not detect any significant PCE from 20-64'. PCE was detected at 2 ppb from 20-24' and 6 ppb from 30-34'. GW-07 detected PCE in the shallower depths from 30-34' at a concentration of 53 ppb and non-detect for all other depths sampled. GW-08, located to the north of the Chase, detected PCE at 10 pbb from 20-24'. All other depths sampled from this location exhibited non-detect readings. GW-09 from 20-24' detected PCE at 33 ppb and 7 ppb from 30-34'. No PCE was detected above TOGS standards below 34'. As seen in Figures-8a-11b the CSM demonstrates delineation vertically and the significant concentration reductions from an aerial and cross-sectional perspective.

A total of five (5) groundwater samples were collected in the vicinity of the former source area (GW-01-05). GW-01 was collected due south of the southeast corner of the building and sampled from the following depths: 15-19’, 30-34’, 40-44’, 50-54’, 60-64’ and 70-74’bgs. The purpose of this sample was to evaluate the potential for migration of DNAPL to deeper depths. GW-01 at 15-19' detected PCE at 650 ppb, TCE at 8 ppb and 1, 2 DCE at 240 ppb. GW-01 collected from 30-34' detected PCE at 58 ppb and 1, 2 DCE at 2 J. GW-01 collected at 40-44'

detected PCE at 20 ppb and 1, 2 DCE at 2 J. GW-01 collected from 50-54' detected PCE at 17 ppb and 1, 2 DCE at 1 J. GW-01 from 60-64' detected concentrations of PCE at 64 ppb and 1, 2 DCE at 3 J. At the deepest depth from 70-74', GW-01 detected PCE at 350 ppb, TCE at 5 ppb and 1, 2 DCE at 35. GW-02 was located to the southwest of the gate leading to the backyard area. GW-02 was collected from the following depths: 10-12', 20-22' and 30-32'. GW-02 at 10-12' detected PCE at 10 ppb, TCE at 3 J and 1,2 DCE at 2,400 ppb. At 20-22' PCE was detected at 3 J, DCE at 65 J and from 30-32' PCE was detected at 2 J and 1, 2 DCE at 15 J. GW-03 was collected at the southeast portion of the property and sampled from the following depths: 11-13', 20-22' and 30-32'. GW-03, collected from 11-13', detected PCE at 3 J and TCE and DCE were not detected. From 20-22' PCE was detected at 15 ppb, TCE at 4 J and DCE at 920 ppb. GW-03 collected from 30-32' detected PCE at 5 ppb and DCE at 82 ppb. GW-04 was located along the eastern property boundary at the eastern side of the building in close proximity to the point source area. GW-04 was collected at the following depths: 10-12', 20-22' and 30-32' bgs. GW-04 at 10-12' detected PCE at a concentration of 5 ppb, TCE at 3 J and DCE at 17 ppb. GW-04 collected from 20-22' detected PCE at 4 J, TCE at 1 J and DCE at 350 ppb. GW-04 at 30-32' detected PCE at 2 J and DCE at 87 J. GW-5 was collected in the backyard of the 321 Rugby Road residence located to the northeast of the subject site. Samples were collected from the following depths at the GW-05 location: 10-12', 20-22' and 30-32'. GW-05 from 10-12' detected PCE at 16 ppb, TCE at 11 ppb and DCE at 27 ppb. Sample collection conducted from 20-22' detected PCE concentrations of 7 ppb, TCE at 5 J and DCE at 250 ppb. PCE and TCE were not detected from 30-32' in GW-05 but DCE was detected at a concentration of 8 ppb. Figures-8a-11b show the on-site data incorporated into the CSM in an aerial and vertical profile view. See Attachment-H for tabulated lab data.

2.3 Monitoring Well Installation and Groundwater Flow

Three (3) monitoring wells were installed throughout the subject property with the use of a track mounted GeoProbe® 6610. Wells were installed using the direct push method in order to define the hydraulic characteristics of the aquifer beneath the site. The three (3) monitoring wells were surveyed in order to retrieve casing elevation data from the northern side of the casing within 0.01 ft. Depth to water (DTW) measurements were recorded from the north side of the casing within 0.01 ft. and angular readings were recorded from the transit for well placement. A groundwater survey/map is included as Figure- 6.

The specifications for the monitoring wells are as follows: 10’ of 2” diameter PVC 0.02” slot screen; 2’(3' for MW-3) of 2” diameter PVC riser pipe to finish well to grade. Monitoring wells also contain a bentonite seal above the well screen in order to prevent surface run-off from entering the well. All wells have been secured with a 5” cast iron manhole cover flush mounted, sealed and cemented in place. Please see Figure-5a-c for construction logs.

The monitoring wells were used for surveying and groundwater flow calculation and will also be utilized for future monitoring and sampling activities. The wells may also be sampled in order to gather technical data that pertains to reductive dechlorination for remediation purposes. Dechlorination parameters include: oxidation/reduction potential (ORP), terminal electron acceptors (TEA), pH, conductivity, temperature, total organic carbon (TOC) and total dissolved carbon (TDC).

2.4 Soil Vapor Intrusion Study

The phrase "soil vapor intrusion" refers to the process by which volatile chemicals migrate from a subsurface source into the indoor air of buildings. Soil vapor, also referred to as soil gas, is the air found in the pore spaces between soil particles. Primarily because of a difference between interior and exterior pressures, soil vapor can enter a building through cracks or perforations in slabs or basement floors and walls, and through openings around sump pumps or where pipes and electrical wires go through the foundation. For example, heating, ventilation or air-conditioning (HVAC) systems and/or the operation of large mechanical appliances (e.g., exhaust fans, dryers, etc.) may create a negative pressure that can draw soil vapor into the building. This intrusion is similar to how radon gas enters buildings from the subsurface. Soil vapor can become contaminated when chemicals evaporate from subsurface sources. If contaminated soil vapors enter a building, indoor air quality may become affected. (NYSDOH Guidance for Soil Vapor Intrusion, October 2006)

In order to identify potential impacts to indoor air at the subject site and residences/buildings that surround the subject site a soil vapor intrusion study was conducted during the 2013 heating season. Since many of the surrounding homes and businesses are off-site, access agreements were issued in order to perform the necessary testing. Permission letters included a description of the testing to be performed, information regarding soil vapor intrusion, PCE and TCE fact sheets and the anticipated schedule of work.

A total of four (4) locations (including subject property) were evaluated for soil vapor intrusion out of the intended eleven (11) locations proposed. Seven (7) of the eleven (11) locations did not grant access to perform the SVI study after multiple attempts were made to gain access. Refer to Figure-3 for the sampling locations conducted during March 2013.

One (1) sub-slab and one (1) indoor air sample was collected at each residence (including the site) during March of 2013. One (1) outdoor ambient air sample was also collected based upon the weather conditions encountered on the day of the sampling event. SVI result letters were drafted and approved by the NYSDOH upon receipt of the validated lab data and issued to the property owners.

Six (6) liter laboratory cleaned and certified summa canisters were used for indoor, sub-slab and outdoor sample collection. All summa containers were affixed with a 24 hour dedicated regulator with a maximum flow rate of 0.02 liters per minute. Indoor and outdoor air samples were collected at a height of 3-5’ feet above the grade surface in order to collect samples representative of the everyday breathing zone. NYSDOH fact sheets were completed at the time of the sample collection in order to gather information on the building characteristics and product inventory.

Six (6) liter summa canisters were also used for the collection of sub-slab samples. Installation of the sub-slab samples involved boring a small diameter hole in the sub-grade cement floor for insertion of a temporary soil vapor probe approximately 2” inches below the bottom of the slab. The vapor probe was connected to a 3/8” diameter piece of poly-tubing, which is of laboratory and food grade quality. Gravel pack filled the void and annular space around the probe and the remaining void was sealed with bentonite clay at the surface. After construction of the temporary vapor point was completed purging was conducted in order to stimulate air flow to the summa.

The poly-tubing was than connected to the summa canister post purging. After the summa canister was disconnected from the vapor probe, PID readings were collected and recorded. Figure-7 illustrates typical construction of the temporary vapor probes.

2.4.1 SVI Results

A total of four (4) SVI sampling locations were analyzed during the 2013 heating season in order to evaluate air quality conditions at residences surrounding the site. The samples collected mainly focused on the presence of PCE and TCE in indoor air at residences surrounding the site, although a broad range of VOC's were analyzed by EPA TO-15. Validated lab data indicated that non-detect readings for PCE and TCE were observed at two (2) of the nearby residences. One (1) additional residence detected PCE and TCE in the indoor air at 4.88 ug/m3 and 1.24 ug/m3 respectively and PCE and TCE at 15.9 ug/m3 and 3.60 ug/m3 respectively. PCE and TCE was not detected in the indoor air sample (IA-QC13) collected within the site building. An outdoor air sample was collected at the former cleaners site which exhibited non-detect readings for PCE and TCE. Sub-slab sampling at nearby residences indicated PCE and TCE concentrations of 0.88 J and non-detect respectively. Other residences detected PCE at 1.15 ug/m3 and TCE was not detected. Additional sub-slab samples detected PCE at 6.71 ug/m3 and TCE at 11.8 ug/m3. PCE in the sub-slab beneath the site detected PCE at 124 ug/m3 and TCE at 5.37 ug/m3. Re-testing was conducted at one (1) nearby residence during the 2014 heating season. An Interim Remedial Measure was also submitted to the Department which proposes the construction of an active Sub-Slab Depressurization System (SSDS) at the site.

2.5 Rising Head (slug test) and Analysis

To assist in the evaluation and development of remedial alternatives a rising head aquifer (slug) test was performed on select location on the site. The test was performed using a GeoProbe® level logger (GW 1600) pressure transducer/data logger. The GeoProbe® slug test kit used a pneumatic method to displace groundwater in place of a manual slug. The procedure involved placing the transducer approximately 18-24 inches below the surface of the water table. Using a laptop computer an initial baseline reading of the water column was taken prior to conducting the test.

The hydraulic conductivity (K) for the chosen test location was calculated using the Bouwer-Rice unconfined solution formula which is included as part of the pre-programmed software offered by GeoProbe® Systems (Slug Test Analysis Software; STA version 1.0) Please see Attachment-F for slug test logging data.

2.6 Management of Investigation Derived Wastes

Investigation derived wastes include contaminated soil, groundwater and disposable sampling equipment generated during the remedial investigation. Soil from pre-clearing activities was returned to their original location. Contaminated soil and groundwater was drummed for future disposal. Disposable sampling equipment (gloves, tubing, acetate liners, etc.) was placed in

heavy-duty plastic bags for disposal. No excess soils were generated during the sampling and monitoring well installations as the direct push method does not produce cuttings.

3.0 Exposure Assessment

Site conditions have been characterized in order to evaluate whether the site poses an existing or potential hazard to the exposed or potentially exposed population. Site characterization involves a review of sampling data for exposed media and an evaluation of the physical conditions of the contaminant sources or physical hazards near the site which may pose an additional health risk to the community. If the original source is unknown, the environmental media (soil, air, water, etc.) is evaluated at its point of exposure. The data is evaluated in a three-step process in the performance of a qualitative exposure assessment. The first step in this analysis was the identification of potential exposure pathways. Second, concentrations of the chemicals of concern are assigned to the exposure points for each pathway based on the site data. Third, if applicable, the exposure point concentrations are compared to acceptable levels to determine if those concentrations could pose an unacceptable risk to human health.

Prior investigation activities and historic data indicate that in 1991 the NCDOH reported PCE concentrations of 1.3 million ug/kg in shallow soil (<2 ft) adjacent to a vapor discharge pipe in the rear of the building. This soil was successfully removed in 1992 by the operator under NCDOH oversight and the case was closed by NCDOH on 3/30/92. In 2009 the NYSDEC classified the site with a “P” designation for potential listing on the Inactive Hazardous Waste Site Registry.

The field investigation portion of the SCR was conducted at the site from December 8, 2009 through March 25, 2010 and consisted of the collection and analysis of 7 soil samples from 7 boring locations, 28 groundwater samples from 10 on-site locations, 39 groundwater samples from 9 off-site locations and 6 soil gas samples from 4 on-site and 2 off-site locations.

During April, June and October JVS conducted a supplemental investigation in order to execute the completion of the CSM and delineate off-site contamination in groundwater. Vertical and horizontal sampling was conducted off-site to the northwest of the subject site (near Chase Bank) and off-site to the east, south east and south of the source area in order to complete delineation. Supplemental sampling was also performed at former CSM locations in order to vertically delineate contamination at previously sampled locations EP-13, 15 and 18. Five (5) groundwater samples were collected in the vicinity of the former source area (GW-01-05) to assess vertical migration of DNAPL. A soil vapor intrusion study was conducted during March of 2013 and consisted of sampling all adjacent and surrounding properties in order to analyze sub-slab, outdoor and indoor air conditions as compared to the NYSDOH Guidance for Soil Vapor Intrusion, 2006**.**

An Interim Remedial Measure Work Plan (IRMWP) has since been developed and submitted to the Department for review to address on-site soil vapor and groundwater contamination. The

plan proposes to install a sub-slab depressurization system (SSDS) within the site building and also treatment of on-site groundwater contamination via bio-remediation.

3.1 Exposure Pathways Analysis

An exposure pathway describes the means by which an individual may be exposed to contaminants originating from a site. An exposure pathway has five elements: (1) a contaminant source; (2) contaminant release and transport mechanisms; (3) a point of exposure; (4) a route of exposure; and (5) a receptor population.

An exposure pathway is complete when all five elements of an exposure pathway are documented; a potential exposure pathway exists when any one or more of the five elements comprising an exposure pathway is not documented. Potential exposure pathways for the chlorinated solvents such as those associated with dry cleaning operations include: 1) inhalation of indoor air containing VOCs that volatilized from underlying soils and/or groundwater; 2) ingestion of groundwater; 3) discharge of groundwater to surface water with subsequent exposures; (4) direct contact with contaminated soil and discharge of groundwater to a surface water pathway. An exposure pathway may be eliminated from further evaluation when any one of the five elements comprising an exposure pathway has not existed in the past, does not exist in the present and will never exist in the future.

At this time, the known site media containing contaminants is the presence of on-site residual contamination in the area of the former excavation in groundwater, off-site groundwater contamination found northwest of the site along Rockaway Turnpike and sub-slab vapors beneath the site building. Potential receptors for each of these exposure pathways are identified below.

3.2 Soil Contact Exposure Pathways

The transport mechanism of contaminants through soil is by gravity drainage near its release source until contact with groundwater or proximate surface water. Contaminant transport by advection and diffusion in groundwater or surface water can respectively cause additional soil or sediment contamination on- and off-site. This is limited however, to a zone of soil/sediment in contact with groundwater/surface water.

Previous investigations identified concentrations of VOCs in the shallow subsurface soils at approximately < 2ft bgs in 1991. This soil was successfully removed in 1992 under the direction of the NCDOH. Access to this area is limited and soil contact is not feasible due to the construction of the asphalt cap.

No significant contact with the site soils is expected beneath the building or the asphalt-paved parking areas under current conditions or in the future. If the building is razed or expansion requiring additional foundation structures made, exposure to these soils is possible, but no other

source areas are of concern. Based upon the 1992 soil excavation and disposal activities, the soil contact exposure pathway is not considered a completed pathway. Although no soil contact exposure is anticipated currently or in the future, the potential for this pathway still exists.

3.3 Inhalation Exposure Pathways

For inhalation exposures, potential receptors under current and future conditions would include workers and patrons at the site as well as possible occupants of several down gradient commercial businesses and residential homes. The building is constructed as a slab on grade with no basement or crawl space, this eliminates interior confined spaces. The potential exposure pathway at the site itself is the inhalation of indoor and outdoor air by site workers and business customers. The building foundation itself was observed to be in good condition and a portion of the property (front, side and rear) is asphalt-paved. The southern portion of the property is covered with grass and is only accessible to the workers. The 1992 excavation of contaminated soils has greatly reduced the possibility and severity of any exposures within and outside of the building. Sub-slab and indoor air sampling was conducted at the site in order to assess the possibility of vapor intrusion.. The sub-slab results indicated the presence of elevated VOCs, mainly PCE, at a concentration of 124 ug/m3. TCE in the sub-slab was detected at 5.37 ug/m3. Despite moderately elevated PCE concentrations in the sub-slab, indoor air concentrations were not detected within the building. An Interim Remedial Measure (IRM) Work Plan has been developed, which proposes the construction of a Sub-Slab Depressurization System (SSDS) designed to remove the sub-slab vapors from beneath the building. Although much of the source material at the rear of the building has been removed, inhalation exposures still potentially exist due to the presence of residual contamination in groundwater and sub-slab vapor contamination.

The nearest potential down gradient receptors are occupants of commercial businesses and a residential neighborhood located north, east and west of the former cleaners. A soil vapor intrusion (SVI) study was conducted during March of 2013 which included air quality testings at nearby residences and the site. Sampling results did not indicate any significant issues with air quality at the nearby residences. PCE concentrations at one (1) additional residence was found above the Matrix II guidelines which prompted re-testing at the end of the 2014 heating season. The indoor air results did not exceed the NYSDOH guideline of 30 ug/m3 and sub-slab concentrations for PCE and TCE were each less than <12 ug/m3. Winter 2014 air quality results for the additional residence have concluded that additional monitoring and testing will be conducted during the 2015 heating season at the discretion of the property owner. IAQ result letters were issued to the homeowners along with NYSDOH fact sheets, inventory forms and validated laboratory data.

Although SVI sampling was conducted to prove concentrations were all within their respective NYSDOH guidelines, the inhalation exposure threat still potentially exists due to the presence of on-site and off-site residual, shallow groundwater contamination. It should also be noted that SVI sampling was proposed at eleven (11) offsite locations but only four (4) locations granted access to perform SVI testing.

3.4 Groundwater Ingestion Pathway

It has been confirmed that potable water is supplied to the area by New York American Water Company. New York American Water supplies many cities in the southwestern Nassau County area including Cedarhurst, NY. Due to the distance between the potable water supply areas and the study site, no potentially affected down gradient potable water supply has been identified at this time. It is unknown if any down gradient private potable water supply wells exist. Although ingestion of groundwater is not a completed pathway at this time, the potential still exists based upon the shallow nature of the water table off-site.

3.5 Discharge of Groundwater to Surface Water Pathway

Shallow groundwater from the site receives a majority of its recharge from rainfall and surface run-off from the resulting rainfall. Groundwater flow direction has been determined to flow in a west northwest direction towards Motts Creek located within the Head of Bay water body. The nearest water body is located north northeast of the site and is nearly 1,350' away. Groundwater samples collected northwest of the site (down gradient) indicated a significant decrease in chlorinated VOCs with the highest detection of PCE found at a level of 50 ppb just 300 feet from the site. Given the significant reduction of groundwater contamination only 300 feet from the site, it is highly unlikely this contamination could discharge to a surface water pathway nearly 1,350 feet from the original source. Based upon this information gathered from the off-site groundwater investigation discharge of groundwater to surface water is not a completed pathway at this time, although the potential still exists.

3.6 Exposure Assessment Summary

A qualitative exposure assessment was performed based upon newly generated data collected from the subject property and off-site as part of the supplemental RI. Information suggests that contaminated groundwater exists on-site and off-site to the northwest or down gradient from the site.

As mentioned above, groundwater is not intended for potable use and discharging of groundwater to the surface water is not intended or anticipated based on the geographical location of the site. Despite these two factors ingestion of groundwater and surface discharge remain as potential exposure pathways due to the shallow nature of the water table off-site.

The soil contact exposure route would be a completed exposure pathway, however a large majority of this shallow source material was removed via excavation eliminating the primary element needed in order to possess a completed pathway. Although the soil contact exposure is not a completed pathway the potential for soil contact still exists.

Due to the off-site groundwater contamination found during the supplemental RI, the inhalation exposure pathway remains a potential threat, although much of the soil vapor intrusion findings during the 2013 heating season have warranted no further action. One remaining property was

re-sampled during 2014 for which lab results indicated that re-testing will be requested during the winter of 2015 (November/December).

In conclusion, the exposure assessment did not reveal any completed exposure pathways largely based upon the data derived from the SVI study. Although completed exposure pathways do not currently exist the potential for discharge of groundwater to the surface, ingestion of groundwater, soil contact and inhalation exposures exist based upon the on-site and off-site contamination discovered during the RI.

4.0 Health and Safety Plan

The Health and Safety Plan (HASP) provided in the RIWP was adhered to by all personnel associated with the investigation work. Activities performed under the HASP complied with applicable parts of OSHA Regulations, primarily 29 CFR Parts 1910 and 1926. Please refer to Attachment-A for the HASP sign in sheets.

5.0 Community Air Monitoring Plan

The Community Air Monitoring Plan (CAMP) was employed during all RI ground intrusive activities. The CAMP data (particulate and PID) for this investigation is provided as Attachment- B.

6.0 Conclusions and Recommendations

Supplemental data (GW-06, 07, 08 & 09) collected northwest of the Chase Bank indicates that horizontal groundwater contamination (PCE) still exists above regulatory standards in the 20-30' bgs range, but nothing was detected above 53 ppb. Vertical contamination was fully delineated at all four locations as non-detect readings were confirmed down to a depth of 60-64'. Data collected to supplement previous sampling locations (EP-13, 15 & 18) was collected in order to delineate vertical chlorinated impacts. Previous data indicated that PCE concentrations were detected from 50-52' in EP-13, 15 and 18 at 76.8 ppb, 4,620 ppb and 111 ppb respectively. These detections at 60-62' were significantly lower with PCE detections at EP-13, 15 and 18 of 16 ppb, 29 ppb and 36 ppb respectively. Based upon these significant reductions, only ten (10') deeper into the aquifer, contamination beyond 60-64' is not expected.

On-site groundwater data collected as part of the supplemental investigation indicated that petroleum and chlorinated contamination exists to a depth of 70-74' bgs at the GW-01 location. Significant contamination, mainly PCE and DCE, exists at the surface of the water table (15') and at depth from 70-74'. The intermediate sampling intervals, from 30'-50' (suspected clay formation) did not exhibit significant chlorinated constituents. The probability of vertical hydrodynamic dispersion of PVOC and CVOC contamination through this clay formation seems highly unlikely given the contaminant concentrations in relation to their respective sampling

intervals. Further vertical delineation in this area is not suggested due to the risk of mechanically transporting contamination to deeper depths and puncturing the confining unit. Additional sampling locations located in the vicinity the site building (GW-02-05) indicated some elevated 1, 2, DCE in the 30-32' range but nothing above 87 ppb. Continued delineation in this area is does not appear necessary given the risk of puncturing the clay layer as discussed above. The need for further down gradient delineation or on-site delineation is not recommended based on the findings from the investigation conducted.

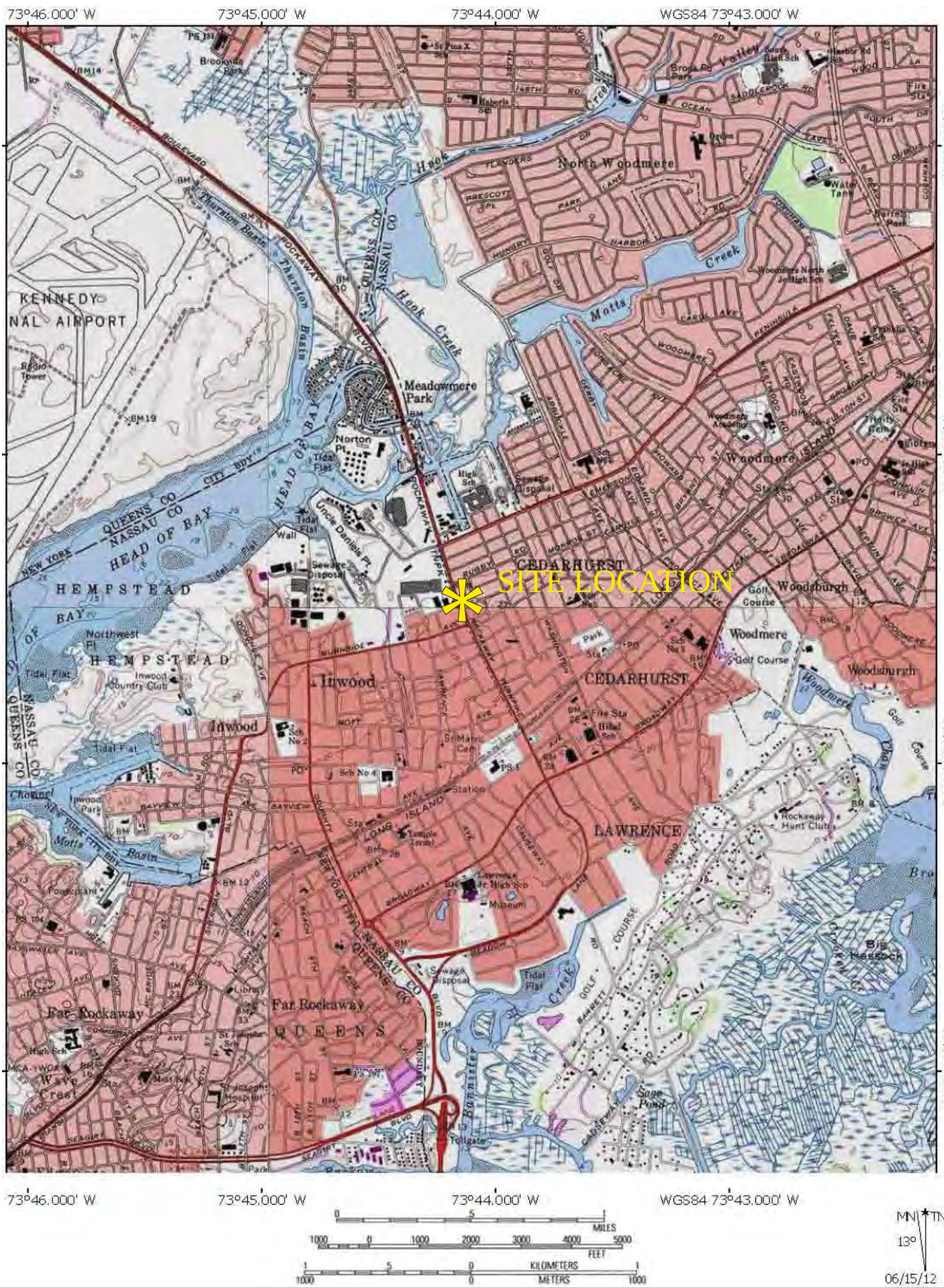
Based upon the data generated from the Remedial Investigation the following recommendations are proposed in order to address the potential for vapor intrusion at surrounding properties and the remediation of on-site and off-site groundwater contamination with regard to achieving the generic RAOs established for the site :

- a vapor intrusion study at surrounding properties during the next heating season (2015/2016) in order to identify the effects of vapor intrusion as a result of the off-site plume consisting of elevated chlorinated VOC contamination. Access letters will be issued to neighboring properties upon approval from the NYSDOH and NYSDEC;

- development of a plan discussing potential remedies in order to treat on-site and off-site groundwater contamination at the site in order to meet, at a minimum, the generic RAOs;

- proposed remedies for on and off-site treatment of groundwater may include but not be limited to: installation of a multi-level monitoring well network with the purpose of in-situ remedial action (i.e. bio-remediation, RegenOx, monitoring anaerobic degradation, etc.) in order to meet RAOs for the site.

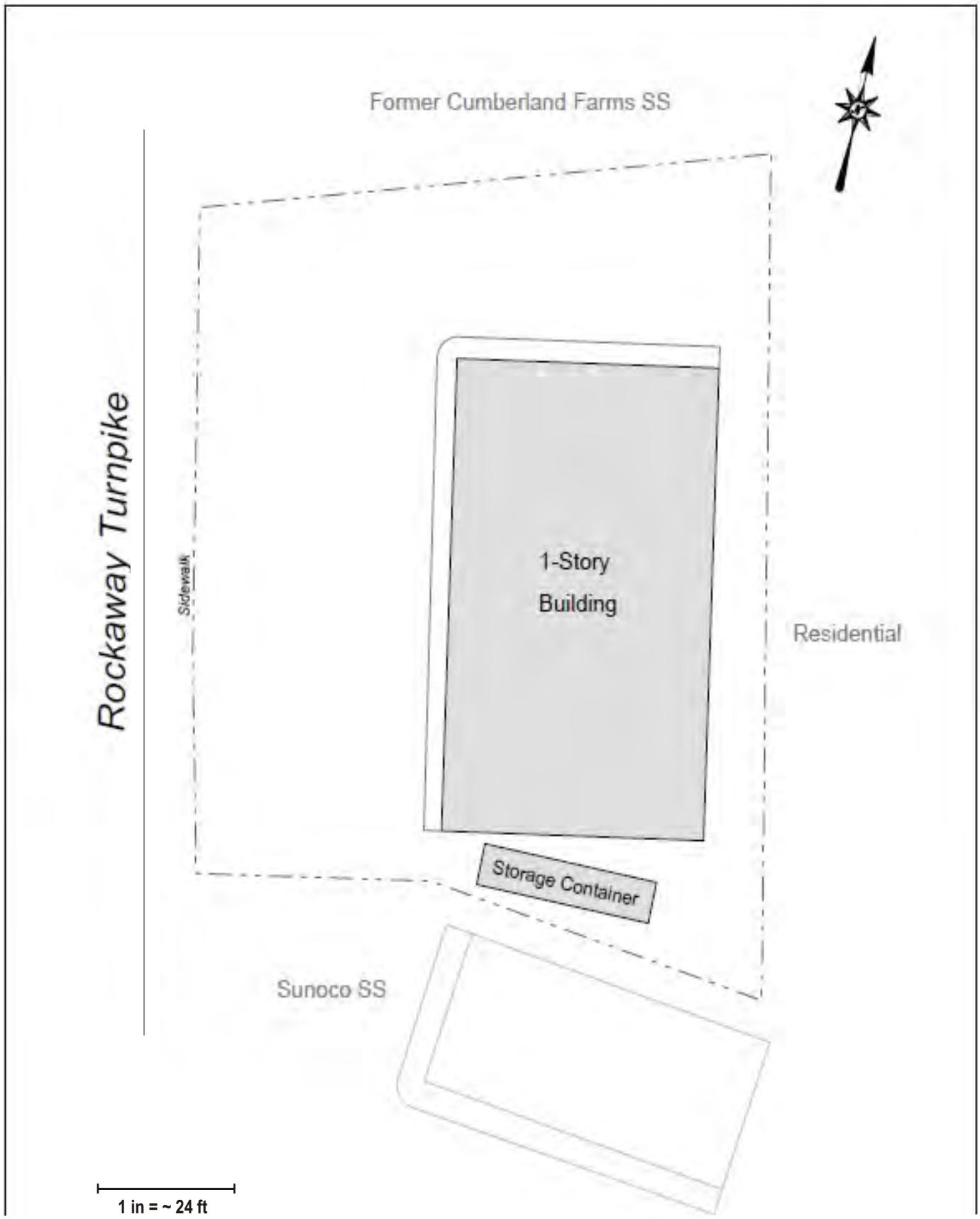
FIGURES



Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, New York

Figure-1
Site Location

John V. Soderberg P.E
PO Box 263
Stony Brook, NY 11790



Former Quick and Clean Cleaners **380 Rockaway Turnpike** **Cedarhurst, New York**	Figure-2 Site Map	John V. Soderberg P.E PO Box 263 Stony Brook, NY 11790

Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, New York

Figure-3 Sample Locations

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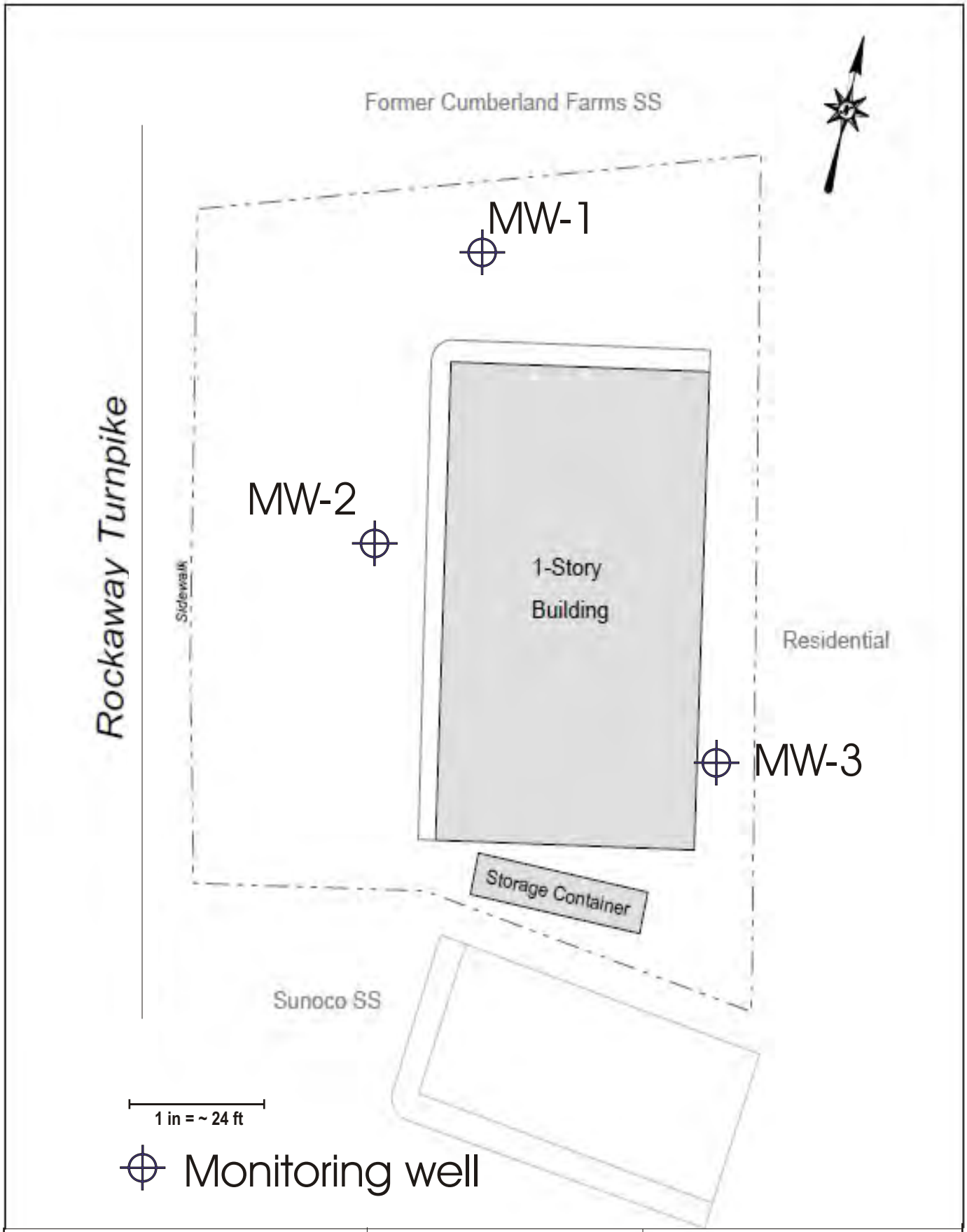
PO Box 263
Stony Brook, NY 11790



Former Quick and Clean Cleaners **380 Rockaway Turnpike** **Cedarhurst, New York**	Figure-4 Monitoring Well Locations	John V. Soderberg P.E PO Box 263 Stony Brook, NY 11790

John V. Soderberg P.E

PO Box 263

Stony Brook, NY 11790

Drawn By: JGH

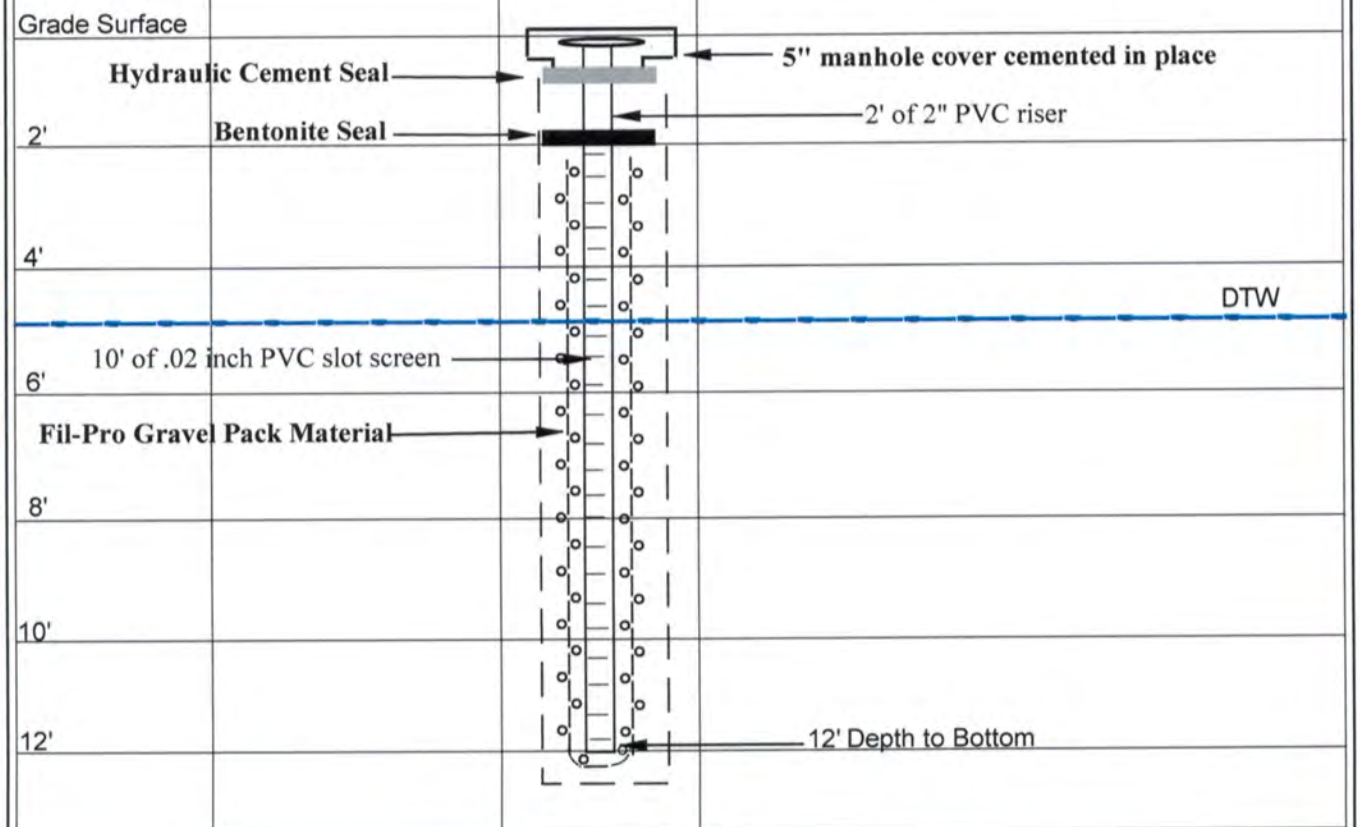
Figure 5a

Well Log

Project: Former Quick and Clean Cleaners
Client: 380 Rockaway Turnpike Corp
Location: Cedarhurst, NY
Well No: MW-1 **Use:** Survey/Monitoring Well
Drilling Method: Geoprobe direct push
Casing Type: PVC **Casing Dia:** 2" **Casing Length:** 2'
Screen Type: PVC **Screen Dia:** 2" **Screen Length:** 10'
Screen Slot: .02 inch **Gravel Pack:** #2 Fil-pro
Casing Seal: Cement **Finish:** Cement flush

Date: TBA
Be Job No:
Driller: Joel/Eusi
Bore Hole Dia: 3.5"
Sample Method: N/A
Depth to Water: 5'
Total Depth: 12'
Security: 5" Manhole

Depth Below Grade	Sample Information	Well Design	Identification/Remarks



John V. Soderberg P.E

PO Box 263

Stony Brook, NY 11790

Drawn By: JGH

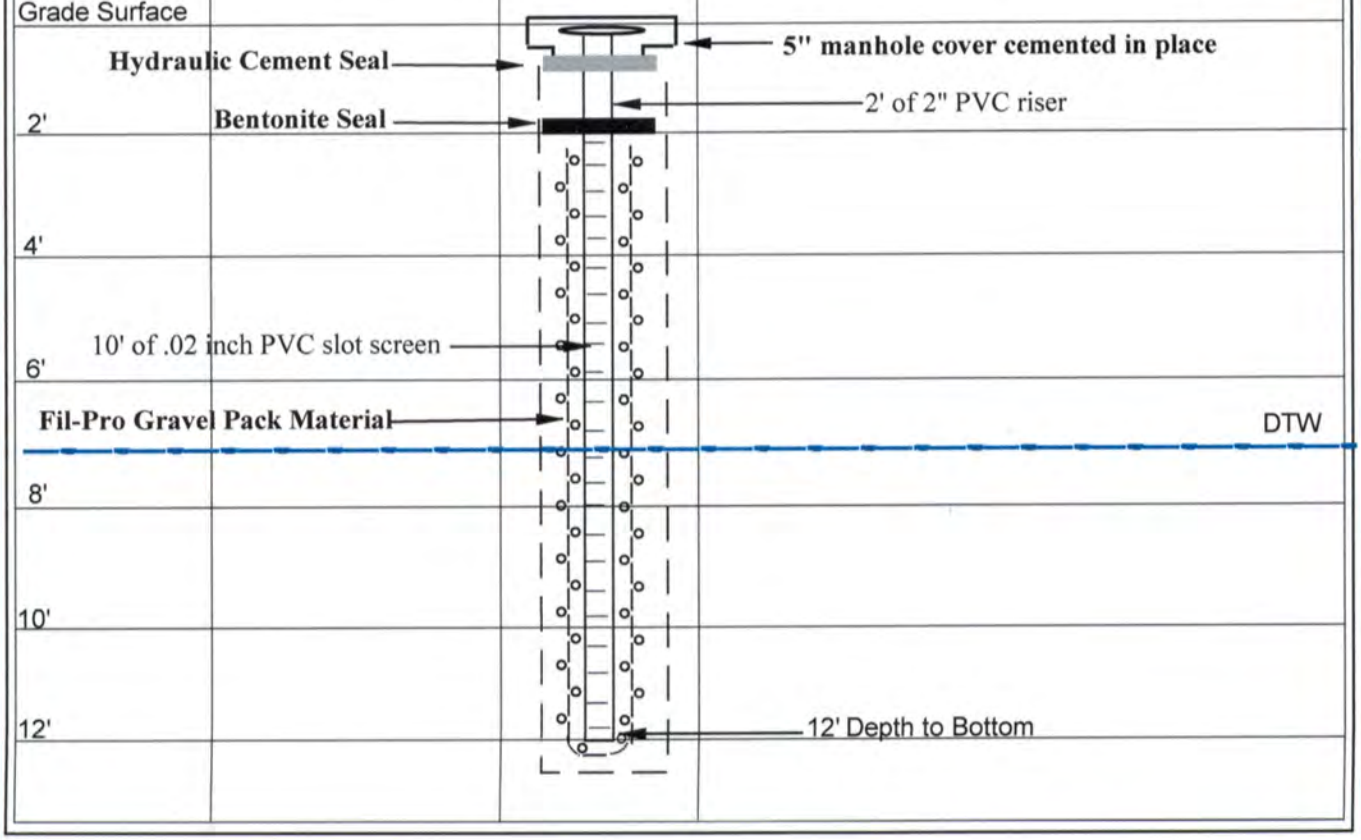
Figure 5b

Well Log

Project: Former Quick and Clean Cleaners
Client: 380 Rockaway Turnpike Corp
Location: Cedarhurst, NY
Well No: MW-2 **Use:** Survey/Monitoring Well
Drilling Method: Geoprobe direct push
Casing Type: PVC **Casing Dia:** 2" **Casing Length:** 2'
Screen Type: PVC **Screen Dia:** 2" **Screen Length:** 10'
Screen Slot: .02 inch **Gravel Pack:** #2 Fil-pro
Casing Seal: Cement **Finish:** Cement flush

Date: 4/9/13
Be Job No:
Driller: Joel/Eusi
Bore Hole Dia: 3.5"
Sample Method: N/A
Depth to Water: 7'
Total Depth: 12'
Security: 5" Manhole

Depth Below Grade	Sample Information	Well Design	Identification/Remarks



John V. Soderberg P.E

PO Box 263

Stony Brook, NY 11790

Drawn By: JGH

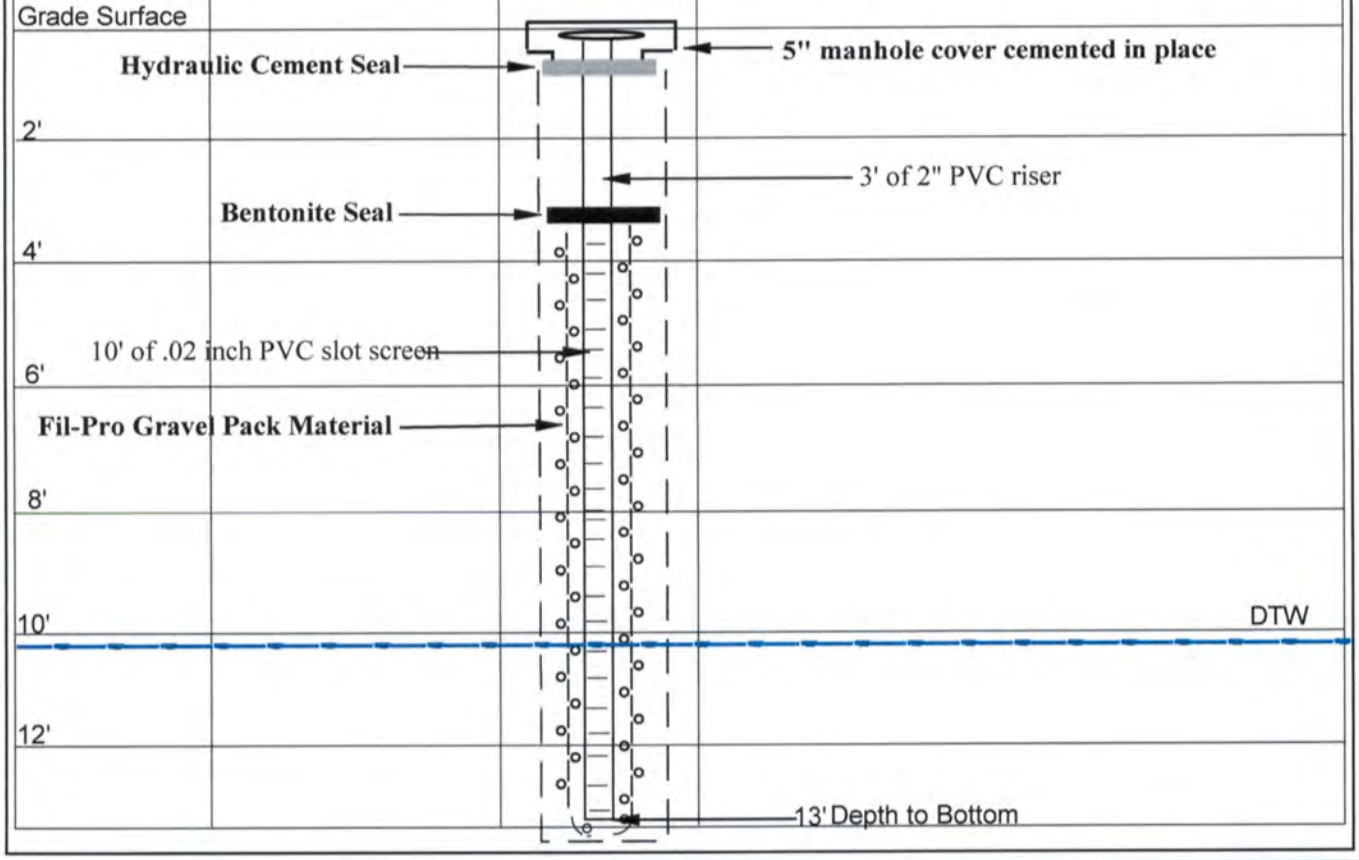
Figure 5c

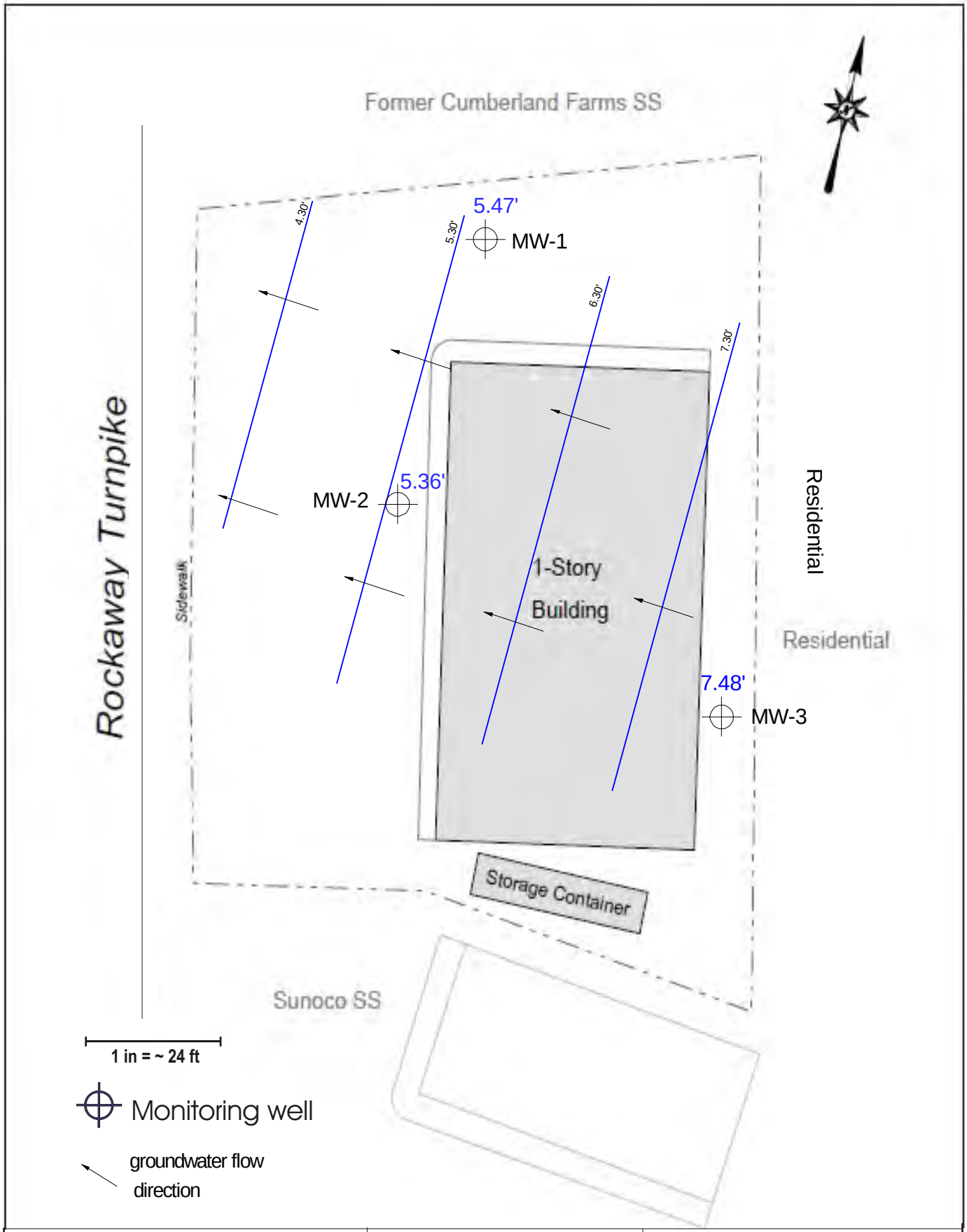
Well Log

Project: Former Quick and Clean Cleaners
Client: 380 Rockaway Turnpike Corp
Location: Cedarhurst, NY
Well No: MW-3 **Use:** Survey/Monitoring Well
Drilling Method: Geoprobe direct push
Casing Type: PVC **Casing Dia:** 2" **Casing Length:** 3'
Screen Type: PVC **Screen Dia:** 2" **Screen Length:** 10'
Screen Slot: .02 inch **Gravel Pack:** #2 Fil-pro
Casing Seal: Cement **Finish:** Cement flush

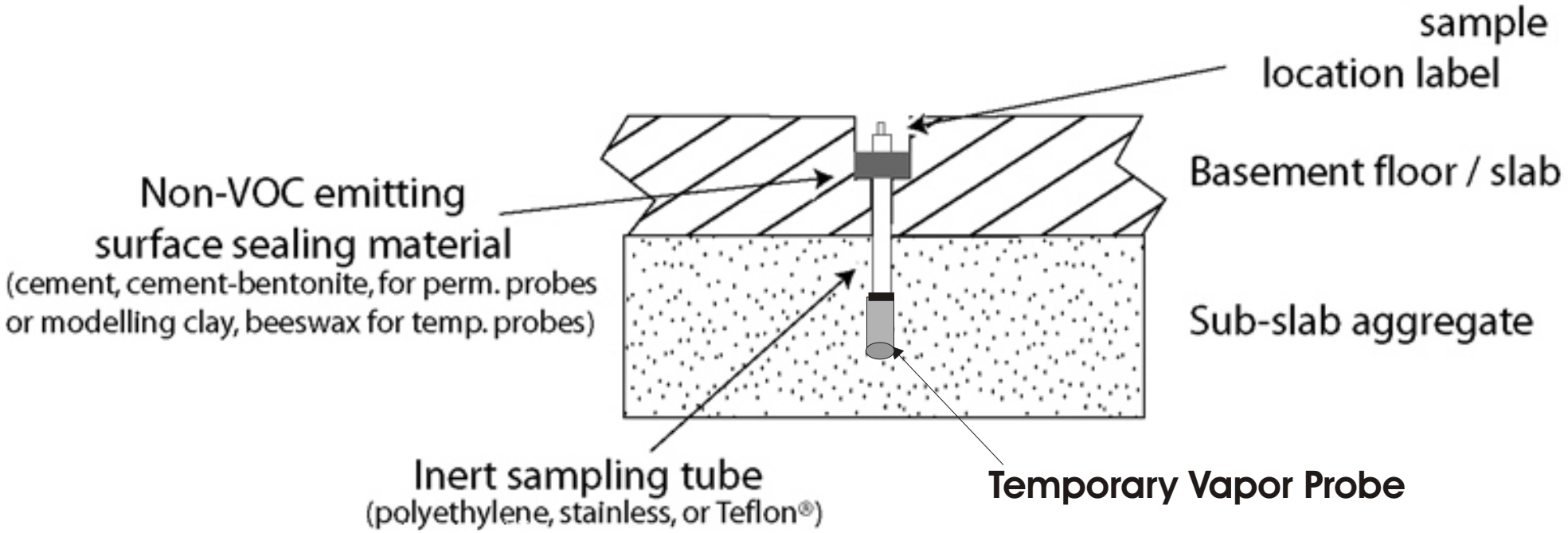
Date: 4/9/13
Be Job No:
Driller: Joel/Eusi
Bore Hole Dia: 3.5"
Sample Method: N/A
Depth to Water: 10'
Total Depth: 13'
Security: 5" Manhole

Depth Below Grade	Sample Information	Well Design	Identification/Remarks





Former Quick and Clean Cleaners **380 Rockaway Turnpike** **Cedarhurst, New York**	Figure-6 Groundwater Flow	John V. Soderberg P.E PO Box 263 Stony Brook, NY 11790



Former Quick and Clean Cleaners **380 Rockaway Turnpike** **Cedarhurst, New York**	Figure-7 Temporary Vapor Probe Construction	John V. Soderberg P.E PO Box 263 Stony Brook, NY 11790

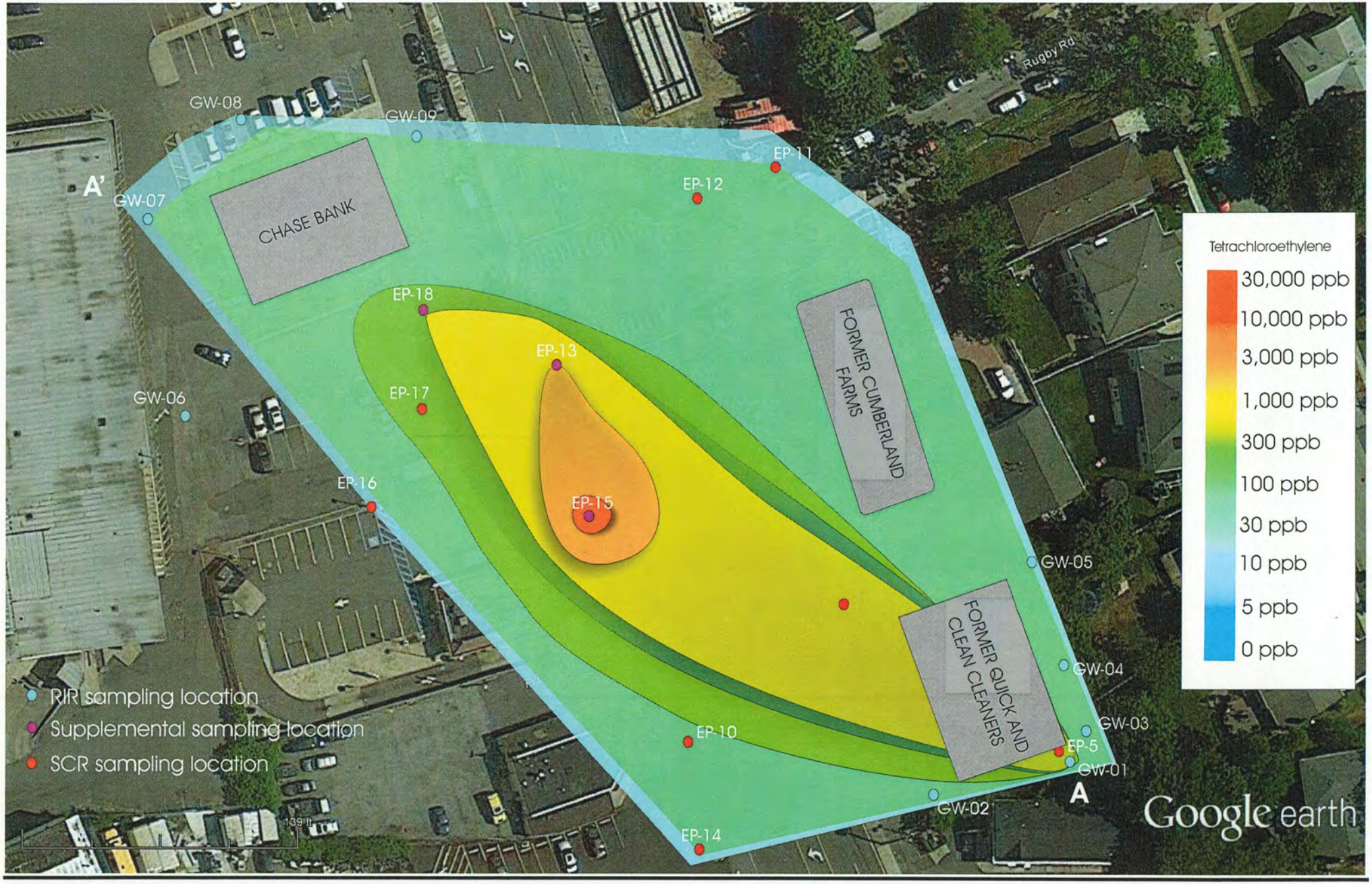


Figure- 8a
PCE Aerial
View

Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, NY

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PO Box 263
Stony Brook NY, 11790

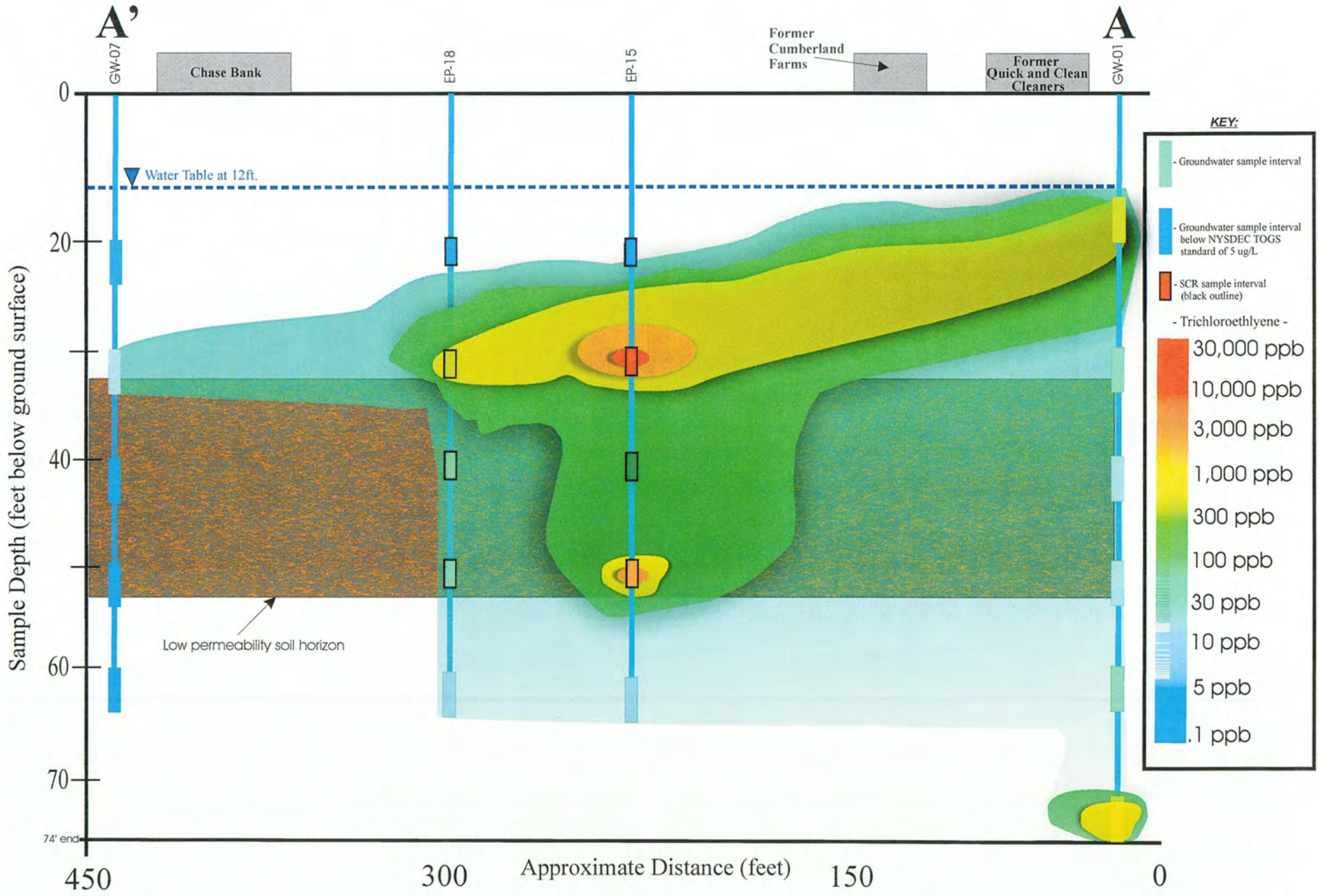

Figure 8b - South (A) to North (A') Cross-section
Vertical profile of PCE in Groundwater

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380 Rockaway Turnpike
Cedarhurst, NY

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Stony Brook NY, 11790

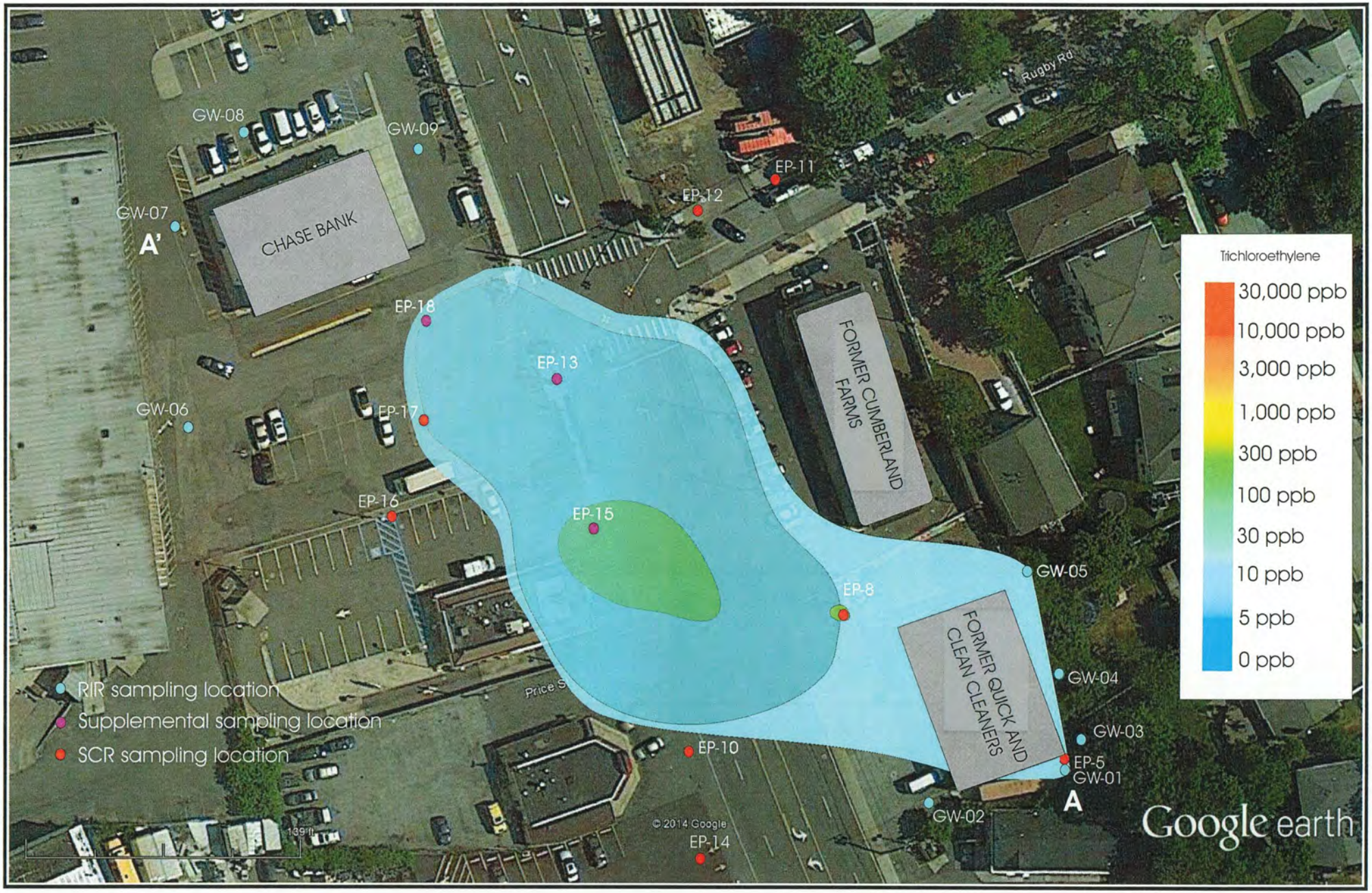

Figure- 9a
TCE Aerial
View

Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, NY

John V. Soderberg P.E
PO Box 263
Stony Brook NY, 11790

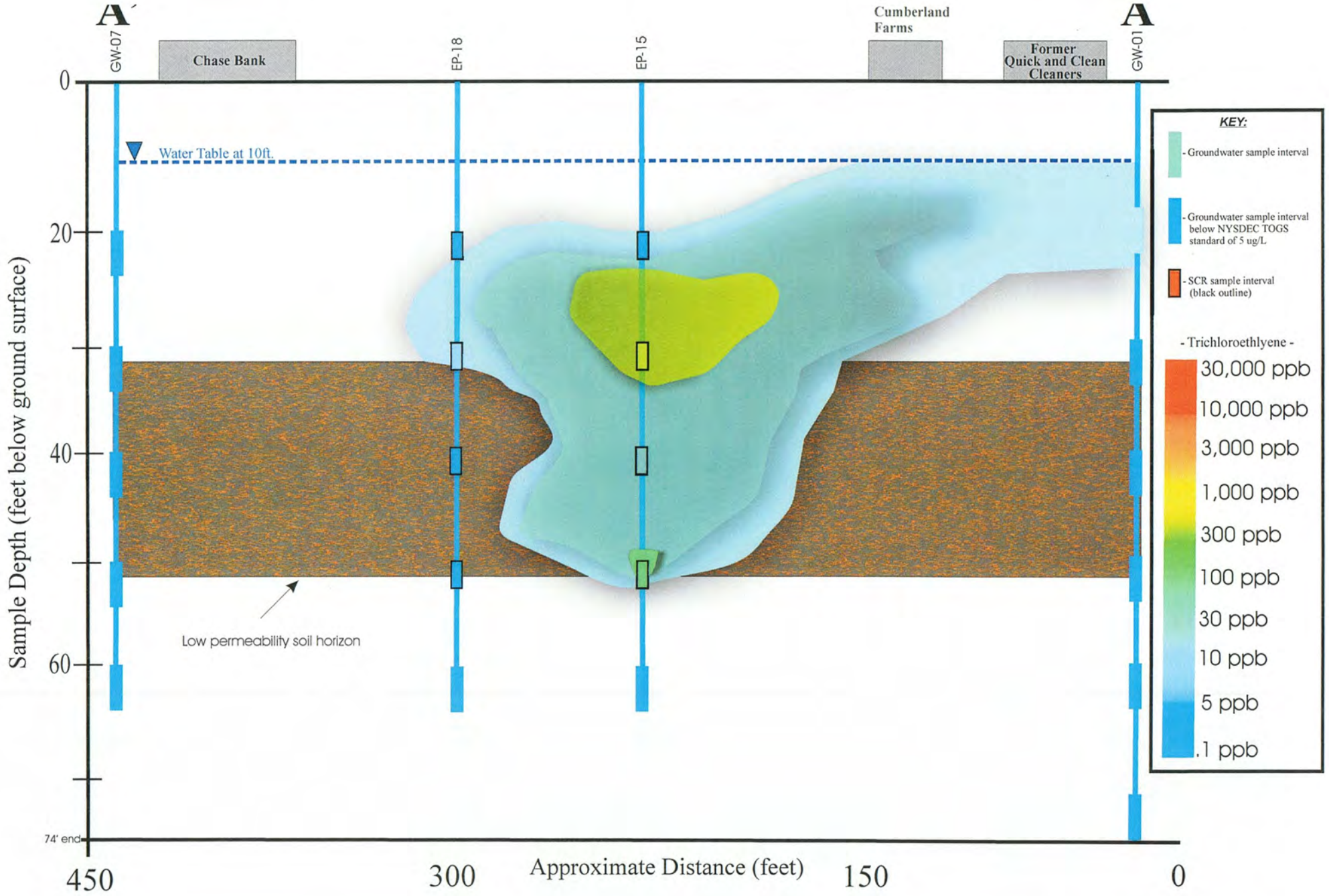

Figure 9b - South (A) to North (A') Cross-section Vertical profile of TCE in Groundwater

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380 Rockaway Turnpike
Cedarhurst, New York

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Stony Brook NY, 11790

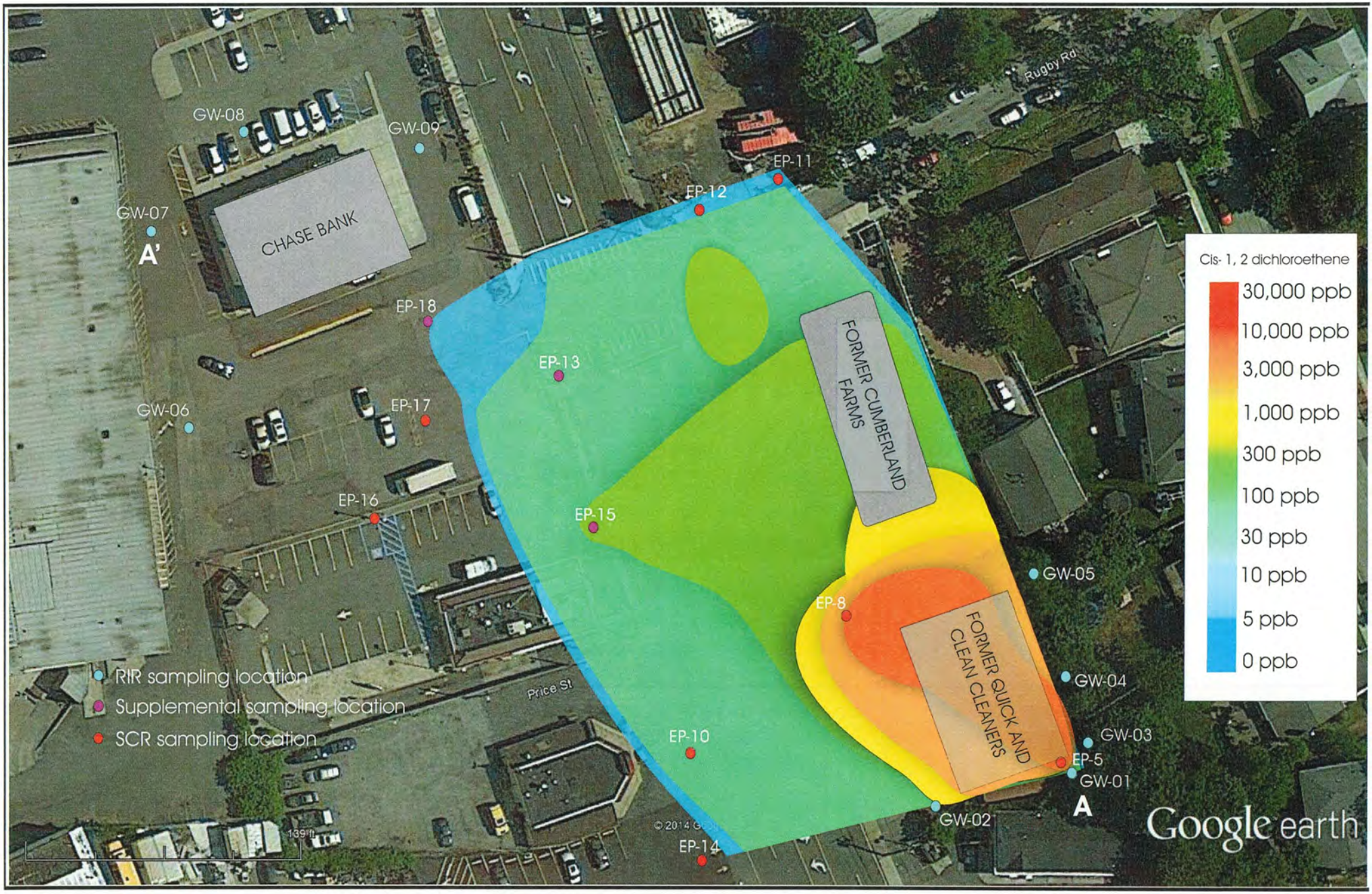

Figure- 10a
1, 2 cDCE Aerial View

Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, NY

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PO Box 263
Stony Brook NY, 11790

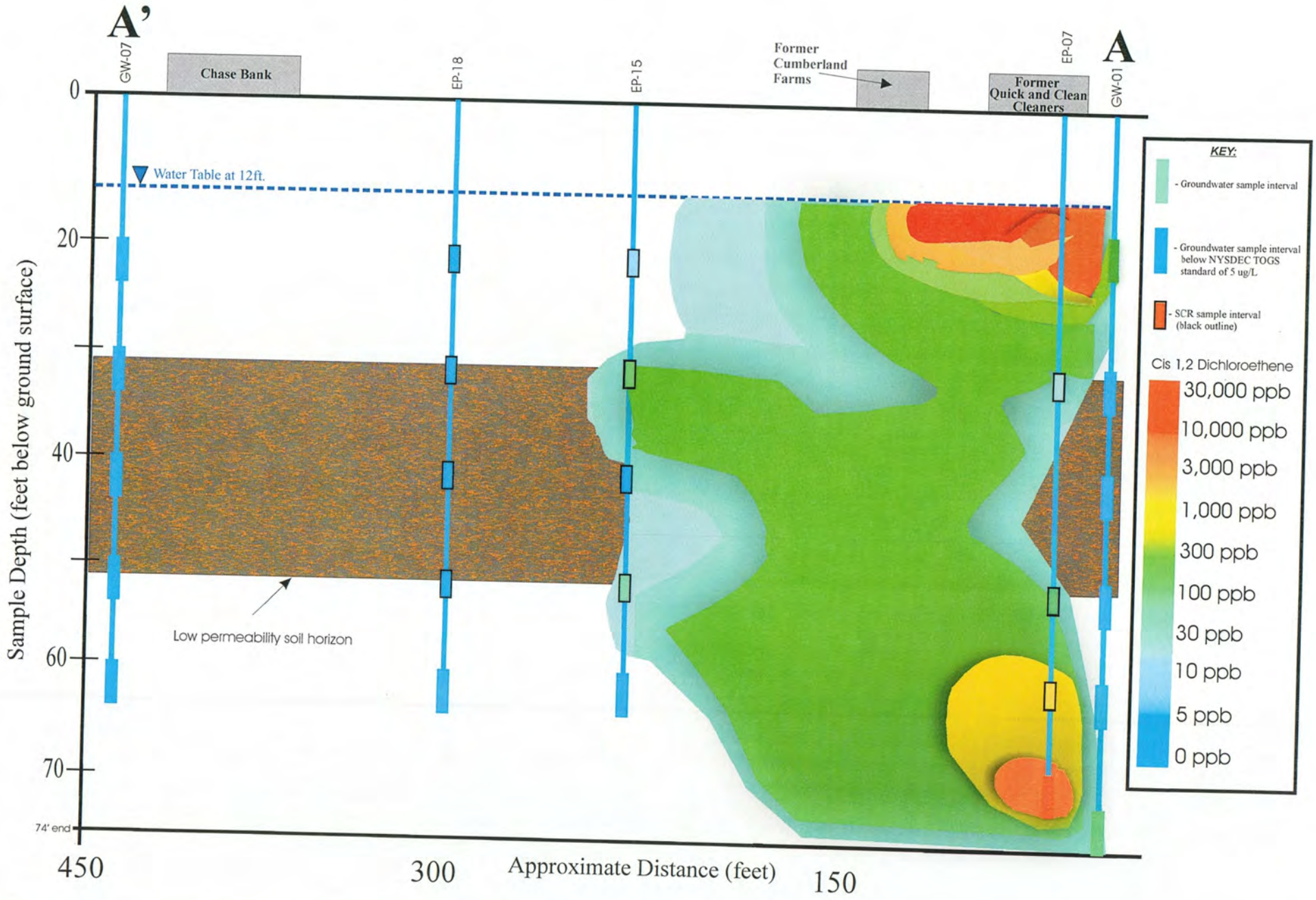


Figure 10b - South (A) to North (A') Cross-section
Vertical profile of 1, 2 cDCE in Groundwater

Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, NY

John V. Soderberg P.E
PO Box 263
Stony Brook NY, 11790

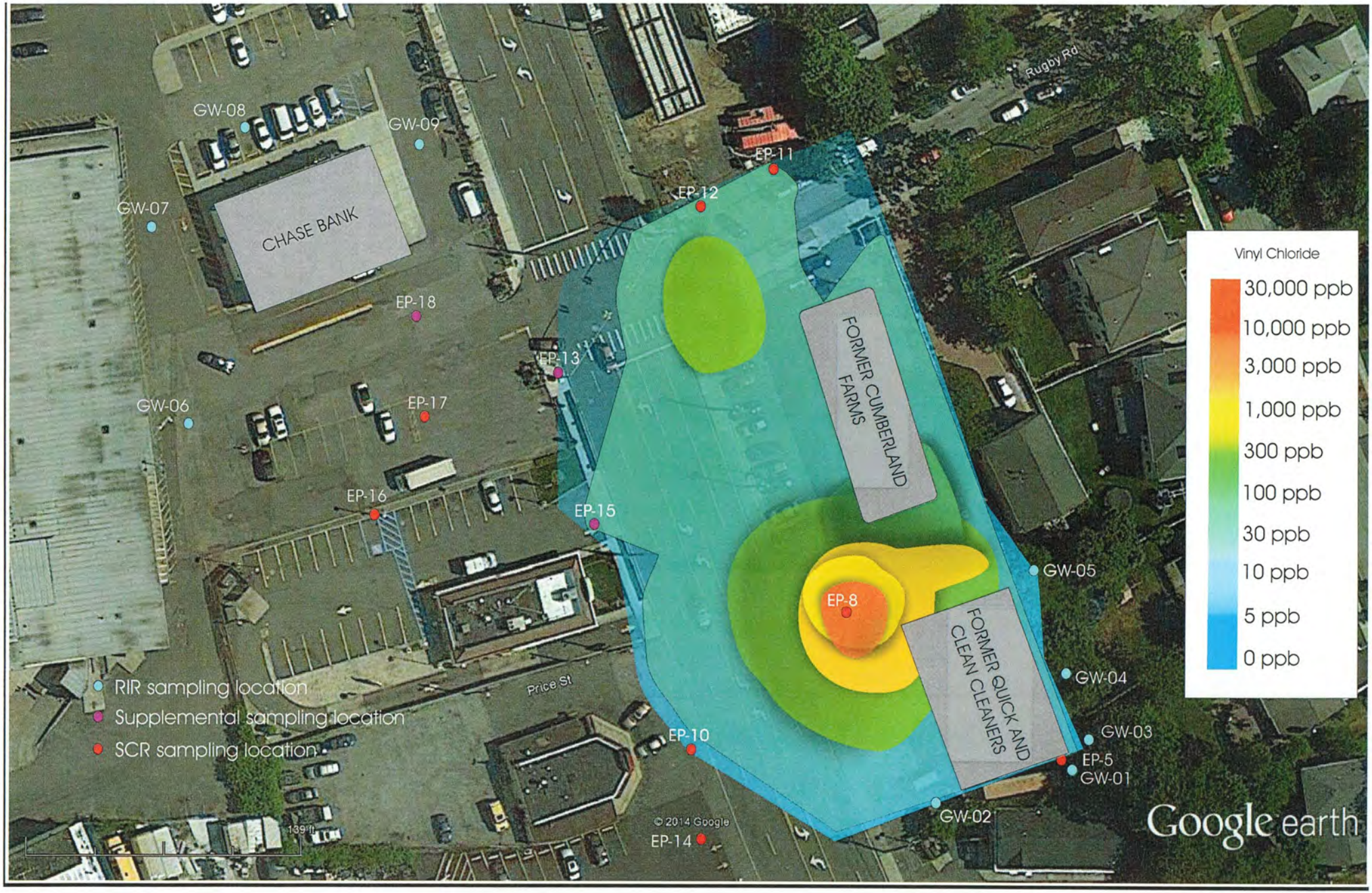


Figure- 11a
VC Aerial
View

Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, NY

John V. Soderberg P.E
PO Box 263
Stony Brook NY, 11790

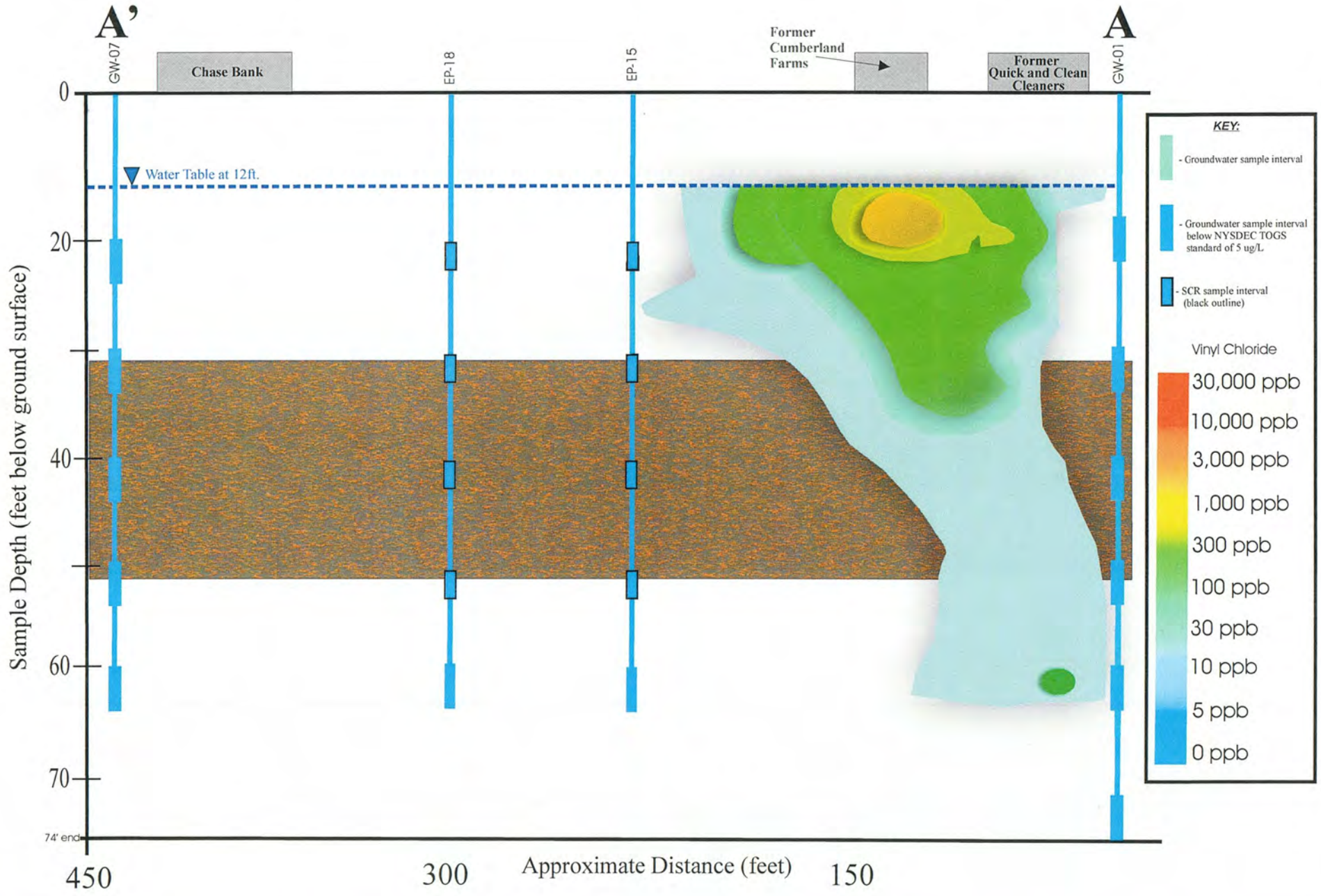


Figure 11b - South (A) to North (A') Cross-section
Vertical profile of VC in Groundwater

Former Quick and Clean Cleaners
380 Rockaway Turnpike
Cedarhurst, NY

John V. Soderberg P.E
PO Box 263
Stony Brook NY, 11790

ATTACHMENTS

Attachment-A

Health and Safety Plan (HASP) sign-in

DAILY BREIFING SIGN-IN SHEET

Date: 4/9-10/2013 Person Conducting Briefing: J.H

Project Name and Location: Q+C

1. AWARENESS (topics discussed, special safety concerns, recent incidents, etc...):

Traffic, Haz waste, General PPE

2. OTHER ISSUES (HASP changes, attendee comments, etc...):

3. ATTENDEES (Print Name):

1. Justin Halpin	11.
2. Ecsai Watkins	12.
3. Joel Meyers	13.
4. Pete Daniells	14.
5.	15.
6.	16.
7.	17.
8.	18.
9.	19.
10.	20.

DAILY BREIFING SIGN-IN SHEET

Date: 6/11/20B Person Conducting Briefing: JH

Project Name and Location: Quick + Clean Site

1. AWARENESS (topics discussed, special safety concerns, recent incidents, etc...):

Traffic, Haz Waste handling, General PPE

2. OTHER ISSUES (HASP changes, attendee comments, etc...):

3. ATTENDEES (Print Name):

1. Justin Halpin	11.
2. Ecsi Watkins	12.
3. Joel Meyer	13.
4. Pete Daniels	14.
5.	15.
6.	16.
7.	17.
8.	18.
9.	19.
10.	20.

DAILY BREIFING SIGN-IN SHEET

Date: October 10, 11 2013 Person Conducting Briefing: JG + H

Project Name and Location: Quick + Clean

1. AWARENESS (topics discussed, special safety concerns, recent incidents, etc...):

Traffic, Haz waste Handling, General PPE

2. OTHER ISSUES (HASP changes, attendee comments, etc...):

3. ATTENDEES (Print Name):

1. Justin Halpin	11.
2. Ecsio Martinez	12.
3. Joel Mayer	13.
4. Pete Daniells	14.
5.	15.
6.	16.
7.	17.
8.	18.
9.	19.
10.	20.

Attachment-B

CAMP Data (PID and Particulate)

pDR-1000 S/N: 00000
Tag Number: 06
Number of Logged Points: 207
Start time and date: 09:19:00 11-Oct
Elapsed time: 03:26:00
Logging period (sec) : 60
Calibration Factor (%) : 100
Max Display Concentration: 0.042
Time at maximum: 10:40
Max STEL Concentration : 0.000 mg/m3
Time at max STEL: 9:18 Oct 11
Overall Avg Conc: 0.000 mg/m3
Logged Data:

Point	Date	Time	Avg. (mg/m3)
1	11-Oct	9:19	0.000
2	11-Oct	9:20	0.000
3	11-Oct	9:21	0.000
4	11-Oct	9:22	0.000
5	11-Oct	9:23	0.001
6	11-Oct	9:24	0.000
7	11-Oct	9:25	0.000
8	11-Oct	9:26	0.000
9	11-Oct	9:27	0.000
10	11-Oct	9:28	0.000
11	11-Oct	9:29	0.000
12	11-Oct	9:30	0.001
13	11-Oct	9:31	0.001
14	11-Oct	9:32	0.003
15	11-Oct	9:33	0.000
16	11-Oct	9:34	0.000
17	11-Oct	9:35	0.003
18	11-Oct	9:36	0.000
19	11-Oct	9:37	0.001
20	11-Oct	9:38	0.000
21	11-Oct	9:39	0.000
22	11-Oct	9:40	0.000
23	11-Oct	9:41	0.000
24	11-Oct	9:42	0.000
25	11-Oct	9:43	0.000
26	11-Oct	9:44	0.002
27	11-Oct	9:45	0.003
28	11-Oct	9:46	0.000
29	11-Oct	9:47	0.000
30	11-Oct	9:48	0.000
31	11-Oct	9:49	0.000
32	11-Oct	9:50	0.001
33	11-Oct	9:51	0.001
34	11-Oct	9:52	0.003
35	11-Oct	9:53	0.002
36	11-Oct	9:54	0.000
37	11-Oct	9:55	0.003
38	11-Oct	9:56	0.002
39	11-Oct	9:57	0.001
40	11-Oct	9:58	0.000
41	11-Oct	9:59	0.000
42	11-Oct	10:00	0.000
43	11-Oct	10:01	0.000
44	11-Oct	10:02	0.000
45	11-Oct	10:03	0.001
46	11-Oct	10:04	0.003

47	11-Oct	10:05	0.000
48	11-Oct	10:06	0.000
49	11-Oct	10:07	0.000
50	11-Oct	10:08	0.000
51	11-Oct	10:09	0.000
52	11-Oct	10:10	0.001
53	11-Oct	10:11	0.000
54	11-Oct	10:12	0.003
55	11-Oct	10:13	0.000
56	11-Oct	10:14	0.000
57	11-Oct	10:15	0.003
58	11-Oct	10:16	0.002
59	11-Oct	10:17	0.000
60	11-Oct	10:18	0.000
61	11-Oct	10:19	0.000
62	11-Oct	10:20	0.000
63	11-Oct	10:21	0.000
64	11-Oct	10:22	0.000
65	11-Oct	10:23	0.001
66	11-Oct	10:24	0.002
67	11-Oct	10:25	0.000
68	11-Oct	10:26	0.000
69	11-Oct	10:27	0.000
70	11-Oct	10:28	0.000
71	11-Oct	10:29	0.002
72	11-Oct	10:30	0.003
73	11-Oct	10:31	0.000
74	11-Oct	10:32	0.001
75	11-Oct	10:33	0.001
76	11-Oct	10:34	0.002
77	11-Oct	10:35	0.000
78	11-Oct	10:36	0.000
79	11-Oct	10:37	0.003
80	11-Oct	10:38	0.002
81	11-Oct	10:39	0.000
82	11-Oct	10:40	0.004
83	11-Oct	10:41	0.002
84	11-Oct	10:42	0.002
85	11-Oct	10:43	0.000
86	11-Oct	10:44	0.000
87	11-Oct	10:45	0.003
88	11-Oct	10:46	0.002
89	11-Oct	10:47	0.000
90	11-Oct	10:48	0.004
91	11-Oct	10:49	0.002
92	11-Oct	10:50	0.002
93	11-Oct	10:51	0.000
94	11-Oct	10:52	0.000
95	11-Oct	10:53	0.003
96	11-Oct	10:54	0.002
97	11-Oct	10:55	0.000
98	11-Oct	10:56	0.000
99	11-Oct	10:57	0.000
100	11-Oct	10:58	0.002
101	11-Oct	10:59	0.000
102	11-Oct	11:00	0.000
103	11-Oct	11:01	0.003
104	11-Oct	11:02	0.000
105	11-Oct	11:03	0.000
106	11-Oct	11:04	0.004

107	11-Oct	11:05	0.002
108	11-Oct	11:06	0.001
109	11-Oct	11:07	0.000
110	11-Oct	11:08	0.000
111	11-Oct	11:09	0.000
112	11-Oct	11:10	0.000
113	11-Oct	11:11	0.000
114	11-Oct	11:12	0.001
115	11-Oct	11:13	0.002
116	11-Oct	11:14	0.004
117	11-Oct	11:15	0.000
118	11-Oct	11:16	0.000
119	11-Oct	11:17	0.000
120	11-Oct	11:18	0.000
121	11-Oct	11:19	0.001
122	11-Oct	11:20	0.001
123	11-Oct	11:21	0.000
124	11-Oct	11:22	0.001
125	11-Oct	11:23	0.000
126	11-Oct	11:24	0.000
127	11-Oct	11:25	0.000
128	11-Oct	11:26	0.000
129	11-Oct	11:27	0.000
130	11-Oct	11:28	0.001
131	11-Oct	11:29	0.000
132	11-Oct	11:30	0.000
133	11-Oct	11:31	0.000
134	11-Oct	11:32	0.000
135	11-Oct	11:33	0.000
136	11-Oct	11:34	0.000
137	11-Oct	11:35	0.001
138	11-Oct	11:36	0.001
139	11-Oct	11:37	0.001
140	11-Oct	11:38	0.001
141	11-Oct	11:39	0.000
142	11-Oct	11:40	0.000
143	11-Oct	11:41	0.000
144	11-Oct	11:42	0.000
145	11-Oct	11:43	0.000
146	11-Oct	11:44	0.001
147	11-Oct	11:45	0.000
148	11-Oct	11:46	0.002
149	11-Oct	11:47	0.000
150	11-Oct	11:48	0.000
151	11-Oct	11:49	0.000
152	11-Oct	11:50	0.000
153	11-Oct	11:51	0.001
154	11-Oct	11:52	0.001
155	11-Oct	11:53	0.003
156	11-Oct	11:54	0.002
157	11-Oct	11:55	0.000
158	11-Oct	11:56	0.000
159	11-Oct	11:57	0.000
160	11-Oct	11:58	0.003
161	11-Oct	11:59	0.002
162	11-Oct	12:00	0.000
163	11-Oct	12:01	0.002
164	11-Oct	12:02	0.002
165	11-Oct	12:03	0.000
166	11-Oct	12:04	0.000

167	11-Oct	12:05	0.000
168	11-Oct	12:06	0.000
169	11-Oct	12:07	0.000
170	11-Oct	12:08	0.001
171	11-Oct	12:09	0.002
172	11-Oct	12:10	0.000
173	11-Oct	12:11	0.000
174	11-Oct	12:12	0.000
175	11-Oct	12:13	0.000
176	11-Oct	12:14	0.000
177	11-Oct	12:15	0.000
178	11-Oct	12:16	0.000
179	11-Oct	12:17	0.000
180	11-Oct	12:18	0.000
181	11-Oct	12:19	0.000
182	11-Oct	12:20	0.000
183	11-Oct	12:21	0.000
184	11-Oct	12:22	0.000
185	11-Oct	12:23	0.000
186	11-Oct	12:24	0.000
187	11-Oct	12:25	0.000
188	11-Oct	12:26	0.000
189	11-Oct	12:27	0.000
190	11-Oct	12:28	0.000
191	11-Oct	12:29	0.000
192	11-Oct	12:30	0.000
193	11-Oct	12:31	0.001
194	11-Oct	12:32	0.001
195	11-Oct	12:33	0.000
196	11-Oct	12:34	0.000
197	11-Oct	12:35	0.000
198	11-Oct	12:36	0.000
199	11-Oct	12:37	0.000
200	11-Oct	12:38	0.001
201	11-Oct	12:39	0.000
202	11-Oct	12:40	0.002
203	11-Oct	12:41	0.000
204	11-Oct	12:42	0.000
205	11-Oct	12:43	0.001
206	11-Oct	12:44	0.001
207	11-Oct	12:45	0.000

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 009059
User ID: 00000001 Site ID: 00000202
Data Points: 206 Gas Name: Isobutylene Sample Period: 60 sec
Last Calibration Time: 09/03/13 11:05

Measurement Type:	Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0

Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	10/11/13	9:18	-----	0.0	0.1
2	10/11/13	9:19	-----	0.0	0.1
3	10/11/13	9:20	-----	0.0	0.1
4	10/11/13	9:21	-----	0.0	0.1
5	10/11/13	9:22	-----	0.0	0.1
6	10/11/13	9:23	-----	0.0	0.1
7	10/11/13	9:24	-----	0.0	0.1
8	10/11/13	9:25	-----	0.0	0.1
9	10/11/13	9:26	-----	0.0	0.1
10	10/11/13	9:27	-----	0.0	0.1
11	10/11/13	9:28	-----	0.0	0.1
12	10/11/13	9:29	-----	0.0	0.1
13	10/11/13	9:30	-----	0.0	0.1
14	10/11/13	9:31	-----	0.0	0.1
15	10/11/13	9:32	-----	0.0	0.0
16	10/11/13	9:33	-----	0.0	0.1
17	10/11/13	9:34	-----	0.0	0.0
18	10/11/13	9:35	-----	0.0	0.1
19	10/11/13	9:36	-----	0.0	0.1
20	10/11/13	9:37	-----	0.0	0.0
21	10/11/13	9:38	-----	0.0	0.1
22	10/11/13	9:39	-----	0.0	0.1
23	10/11/13	9:40	-----	0.0	0.1
24	10/11/13	9:41	-----	0.0	0.1
25	10/11/13	9:42	-----	0.0	0.0
26	10/11/13	9:43	-----	0.0	0.1
27	10/11/13	9:44	-----	0.0	0.1
28	10/11/13	9:45	-----	0.0	0.1
29	10/11/13	9:46	-----	0.0	0.1
30	10/11/13	9:47	-----	0.0	0.1
31	10/11/13	9:48	-----	0.0	0.0
32	10/11/13	9:49	-----	0.0	0.1
33	10/11/13	9:50	-----	0.0	0.1
34	10/11/13	9:51	-----	0.0	0.1
35	10/11/13	9:52	-----	0.0	0.1
36	10/11/13	9:53	-----	0.0	0.1
37	10/11/13	9:54	-----	0.0	0.1
38	10/11/13	9:55	-----	0.0	0.1
39	10/11/13	9:56	-----	0.0	0.1
40	10/11/13	9:57	-----	0.0	0.1
41	10/11/13	9:58	-----	0.0	0.1
42	10/11/13	9:59	-----	0.0	0.1
43	10/11/13	10:00	-----	0.0	0.1
44	10/11/13	10:01	-----	0.0	0.1
45	10/11/13	10:02	-----	0.0	0.1
46	10/11/13	10:03	-----	0.0	0.1
47	10/11/13	10:04	-----	0.0	0.1
48	10/11/13	10:05	-----	0.0	0.1
49	10/11/13	10:06	-----	0.0	0.1
50	10/11/13	10:07	-----	0.0	0.1
51	10/11/13	10:08	-----	0.0	0.1
52	10/11/13	10:09	-----	0.0	0.1
53	10/11/13	10:10	-----	0.0	0.1
54	10/11/13	10:11	-----	0.0	0.1
55	10/11/13	10:12	-----	0.0	0.1
56	10/11/13	10:13	-----	0.0	0.1
57	10/11/13	10:14	-----	0.0	0.1
58	10/11/13	10:15	-----	0.0	0.1
59	10/11/13	10:16	-----	0.0	0.1
60	10/11/13	10:17	-----	0.0	0.1
61	10/11/13	10:18	-----	0.0	0.1
62	10/11/13	10:19	-----	0.0	0.1
63	10/11/13	10:20	-----	0.0	0.1

64	10/11/13	10:21	-----	0.0	0.1
65	10/11/13	10:22	-----	0.0	0.1
66	10/11/13	10:23	-----	0.0	0.1
67	10/11/13	10:24	-----	0.0	0.1
68	10/11/13	10:25	-----	0.0	0.1
69	10/11/13	10:26	-----	0.0	0.1
70	10/11/13	10:27	-----	0.0	0.1
71	10/11/13	10:28	-----	0.0	0.1
72	10/11/13	10:29	-----	0.0	0.1
73	10/11/13	10:30	-----	0.0	0.1
74	10/11/13	10:31	-----	0.0	0.1
75	10/11/13	10:32	-----	0.0	0.1
76	10/11/13	10:33	-----	0.0	0.1
77	10/11/13	10:34	-----	0.0	0.1
78	10/11/13	10:35	-----	0.0	0.1
79	10/11/13	10:36	-----	0.0	0.1
80	10/11/13	10:37	-----	0.0	0.1
81	10/11/13	10:38	-----	0.0	0.1
82	10/11/13	10:39	-----	0.0	0.1
83	10/11/13	10:40	-----	0.0	0.1
84	10/11/13	10:41	-----	0.0	0.1
85	10/11/13	10:42	-----	0.0	0.1
86	10/11/13	10:43	-----	0.0	0.1
87	10/11/13	10:44	-----	0.0	0.1
88	10/11/13	10:45	-----	0.0	0.1
89	10/11/13	10:46	-----	0.0	0.1
90	10/11/13	10:47	-----	0.0	0.1
91	10/11/13	10:48	-----	0.0	0.1
92	10/11/13	10:49	-----	0.0	0.1
93	10/11/13	10:50	-----	0.0	0.1
94	10/11/13	10:51	-----	0.0	0.1
95	10/11/13	10:52	-----	0.0	0.1
96	10/11/13	10:53	-----	0.0	0.1
97	10/11/13	10:54	-----	0.0	0.1
98	10/11/13	10:55	-----	0.0	0.1
99	10/11/13	10:56	-----	0.0	0.1
100	10/11/13	10:57	-----	0.0	0.1
101	10/11/13	10:58	-----	0.0	0.1
102	10/11/13	10:59	-----	0.0	0.1
103	10/11/13	11:00	-----	0.0	0.1
104	10/11/13	11:01	-----	0.0	0.1
105	10/11/13	11:02	-----	0.0	0.1
106	10/11/13	11:03	-----	0.0	0.1
107	10/11/13	11:04	-----	0.0	0.1
108	10/11/13	11:05	-----	0.0	0.1
109	10/11/13	11:06	-----	0.0	0.1
110	10/11/13	11:07	-----	0.0	0.1
111	10/11/13	11:08	-----	0.0	0.1
112	10/11/13	11:09	-----	0.0	0.1
113	10/11/13	11:10	-----	0.0	0.1
114	10/11/13	11:11	-----	0.0	0.1
115	10/11/13	11:12	-----	0.0	0.1
116	10/11/13	11:13	-----	0.0	0.1
117	10/11/13	11:14	-----	0.0	0.1
118	10/11/13	11:15	-----	0.0	0.1
119	10/11/13	11:16	-----	0.0	0.1
120	10/11/13	11:17	-----	0.0	0.1
121	10/11/13	11:18	-----	0.0	0.1
122	10/11/13	11:19	-----	0.0	0.1
123	10/11/13	11:20	-----	0.0	0.1
124	10/11/13	11:21	-----	0.0	0.1
125	10/11/13	11:22	-----	0.0	0.1
126	10/11/13	11:23	-----	0.0	0.1
127	10/11/13	11:24	-----	0.0	0.1
128	10/11/13	11:25	-----	0.0	0.1
129	10/11/13	11:26	-----	0.0	0.1
130	10/11/13	11:27	-----	0.0	0.1
131	10/11/13	11:28	-----	0.0	0.1
132	10/11/13	11:29	-----	0.0	0.1
133	10/11/13	11:30	-----	0.0	0.1
134	10/11/13	11:31	-----	0.0	0.1
135	10/11/13	11:32	-----	0.0	0.1
136	10/11/13	11:33	-----	0.0	0.1
137	10/11/13	11:34	-----	0.0	0.1

138	10/11/13	11:35	-----	0.0	0.1
139	10/11/13	11:36	-----	0.0	0.1
140	10/11/13	11:37	-----	0.0	0.1
141	10/11/13	11:38	-----	0.0	0.1
142	10/11/13	11:39	-----	0.0	0.1
143	10/11/13	11:40	-----	0.0	0.1
144	10/11/13	11:41	-----	0.0	0.1
145	10/11/13	11:42	-----	0.0	0.1
146	10/11/13	11:43	-----	0.0	0.1
147	10/11/13	11:44	-----	0.0	0.1
148	10/11/13	11:45	-----	0.0	0.1
149	10/11/13	11:46	-----	0.0	0.1
150	10/11/13	11:47	-----	0.0	0.1
151	10/11/13	11:48	-----	0.0	0.1
152	10/11/13	11:49	-----	0.0	0.1
153	10/11/13	11:50	-----	0.0	0.1
154	10/11/13	11:51	-----	0.0	0.1
155	10/11/13	11:52	-----	0.0	0.1
156	10/11/13	11:53	-----	0.0	0.1
157	10/11/13	11:54	-----	0.0	0.1
158	10/11/13	11:55	-----	0.0	0.1
159	10/11/13	11:56	-----	0.0	0.1
160	10/11/13	11:57	-----	0.0	0.1
161	10/11/13	11:58	-----	0.0	0.1
162	10/11/13	11:59	-----	0.0	0.1
163	10/11/13	12:00	-----	0.0	0.1
164	10/11/13	12:01	-----	0.0	0.1
165	10/11/13	12:02	-----	0.0	0.1
166	10/11/13	12:03	-----	0.0	0.1
167	10/11/13	12:04	-----	0.0	0.1
168	10/11/13	12:05	-----	0.0	0.1
169	10/11/13	12:06	-----	0.0	0.1
170	10/11/13	12:07	-----	0.0	0.1
171	10/11/13	12:08	-----	0.0	0.1
172	10/11/13	12:09	-----	0.0	0.1
173	10/11/13	12:10	-----	0.0	0.1
174	10/11/13	12:11	-----	0.0	0.1
175	10/11/13	12:12	-----	0.0	0.1
176	10/11/13	12:13	-----	0.0	0.1
177	10/11/13	12:14	-----	0.0	0.1
178	10/11/13	12:15	-----	0.0	0.1
179	10/11/13	12:16	-----	0.0	0.1
180	10/11/13	12:17	-----	0.0	0.1
181	10/11/13	12:18	-----	0.0	0.1
182	10/11/13	12:19	-----	0.0	0.1
183	10/11/13	12:20	-----	0.0	0.1
184	10/11/13	12:21	-----	0.0	0.1
185	10/11/13	12:22	-----	0.0	0.1
186	10/11/13	12:23	-----	0.0	0.1
187	10/11/13	12:24	-----	0.0	0.1
188	10/11/13	12:25	-----	0.0	0.1
189	10/11/13	12:26	-----	0.0	0.1
190	10/11/13	12:27	-----	0.0	0.1
191	10/11/13	12:28	-----	0.0	0.1
192	10/11/13	12:29	-----	0.0	0.1
193	10/11/13	12:30	-----	0.0	0.1
194	10/11/13	12:31	-----	0.0	0.1
195	10/11/13	12:32	-----	0.0	0.1
196	10/11/13	12:33	-----	0.0	0.0
197	10/11/13	12:34	-----	0.0	0.0
198	10/11/13	12:35	-----	0.0	0.0
199	10/11/13	12:36	-----	0.0	0.0
200	10/11/13	12:37	-----	0.0	0.1
201	10/11/13	12:38	-----	0.0	0.0
202	10/11/13	12:39	-----	0.0	0.0
203	10/11/13	12:40	-----	0.0	0.2
204	10/11/13	12:41	-----	0.0	0.0
205	10/11/13	12:42	-----	0.0	0.0
206	10/11/13	12:43	-----	0.0	0.1

pDR-1000 S/N: 00000
Tag Number: 06
Number of Logged Points: 231
Start time and date: 09:10:00 10-Oct
Elapsed time: 03:50:00
Logging period (sec) : 60
Calibration Factor (%) : 100
Max Display Concentration: 0.042
Time at maximum: 10:05
Max STEL Concentration : 0.000 mg/m3
Time at max STEL: 9:09 Oct 10
Overall Avg Conc: 0.000 mg/m3
Logged Data:

Point	Date	Time	Avg. (mg/m3)
1	10-Oct	9:10	0.000
2	10-Oct	9:11	0.002
3	10-Oct	9:12	0.002
4	10-Oct	9:13	0.002
5	10-Oct	9:14	0.000
6	10-Oct	9:15	0.000
7	10-Oct	9:16	0.002
8	10-Oct	9:17	0.001
9	10-Oct	9:18	0.000
10	10-Oct	9:19	0.000
11	10-Oct	9:20	0.000
12	10-Oct	9:21	0.000
13	10-Oct	9:22	0.000
14	10-Oct	9:23	0.001
15	10-Oct	9:24	0.002
16	10-Oct	9:25	0.000
17	10-Oct	9:26	0.000
18	10-Oct	9:27	0.000
19	10-Oct	9:28	0.000
20	10-Oct	9:29	0.000
21	10-Oct	9:30	0.001
22	10-Oct	9:31	0.001
23	10-Oct	9:32	0.003
24	10-Oct	9:33	0.000
25	10-Oct	9:34	0.000
26	10-Oct	9:35	0.003
27	10-Oct	9:36	0.002
28	10-Oct	9:37	0.001
29	10-Oct	9:38	0.000
30	10-Oct	9:39	0.000
31	10-Oct	9:40	0.000
32	10-Oct	9:41	0.000
33	10-Oct	9:42	0.000
34	10-Oct	9:43	0.001
35	10-Oct	9:44	0.002
36	10-Oct	9:45	0.003
37	10-Oct	9:46	0.000
38	10-Oct	9:47	0.000
39	10-Oct	9:48	0.000
40	10-Oct	9:49	0.000
41	10-Oct	9:50	0.001
42	10-Oct	9:51	0.001
43	10-Oct	9:52	0.003
44	10-Oct	9:53	0.002
45	10-Oct	9:54	0.000
46	10-Oct	9:55	0.003
47	10-Oct	9:56	0.002
48	10-Oct	9:57	0.001

49	10-Oct	9:58	0.000
50	10-Oct	9:59	0.000
51	10-Oct	10:00	0.000
52	10-Oct	10:01	0.000
53	10-Oct	10:02	0.000
54	10-Oct	10:03	0.001
55	10-Oct	10:04	0.003
56	10-Oct	10:05	0.004
57	10-Oct	10:06	0.000
58	10-Oct	10:07	0.000
59	10-Oct	10:08	0.000
60	10-Oct	10:09	0.000
61	10-Oct	10:10	0.001
62	10-Oct	10:11	0.000
63	10-Oct	10:12	0.003
64	10-Oct	10:13	0.000
65	10-Oct	10:14	0.000
66	10-Oct	10:15	0.003
67	10-Oct	10:16	0.002
68	10-Oct	10:17	0.001
69	10-Oct	10:18	0.000
70	10-Oct	10:19	0.000
71	10-Oct	10:20	0.000
72	10-Oct	10:21	0.000
73	10-Oct	10:22	0.000
74	10-Oct	10:23	0.001
75	10-Oct	10:24	0.002
76	10-Oct	10:25	0.000
77	10-Oct	10:26	0.000
78	10-Oct	10:27	0.000
79	10-Oct	10:28	0.000
80	10-Oct	10:29	0.002
81	10-Oct	10:30	0.003
82	10-Oct	10:31	0.000
83	10-Oct	10:32	0.001
84	10-Oct	10:33	0.001
85	10-Oct	10:34	0.002
86	10-Oct	10:35	0.000
87	10-Oct	10:36	0.000
88	10-Oct	10:37	0.003
89	10-Oct	10:38	0.002
90	10-Oct	10:39	0.000
91	10-Oct	10:40	0.004
92	10-Oct	10:41	0.002
93	10-Oct	10:42	0.002
94	10-Oct	10:43	0.000
95	10-Oct	10:44	0.000
96	10-Oct	10:45	0.003
97	10-Oct	10:46	0.002
98	10-Oct	10:47	0.000
99	10-Oct	10:48	0.004
100	10-Oct	10:49	0.002
101	10-Oct	10:50	0.002
102	10-Oct	10:51	0.000
103	10-Oct	10:52	0.000
104	10-Oct	10:53	0.003
105	10-Oct	10:54	0.002
106	10-Oct	10:55	0.000
107	10-Oct	10:56	0.000
108	10-Oct	10:57	0.000
109	10-Oct	10:58	0.002
110	10-Oct	10:59	0.000

111	10-Oct	11:00	0.000
112	10-Oct	11:01	0.003
113	10-Oct	11:02	0.002
114	10-Oct	11:03	0.000
115	10-Oct	11:04	0.004
116	10-Oct	11:05	0.002
117	10-Oct	11:06	0.001
118	10-Oct	11:07	0.000
119	10-Oct	11:08	0.000
120	10-Oct	11:09	0.000
121	10-Oct	11:10	0.000
122	10-Oct	11:11	0.000
123	10-Oct	11:12	0.001
124	10-Oct	11:13	0.002
125	10-Oct	11:14	0.004
126	10-Oct	11:15	0.000
127	10-Oct	11:16	0.000
128	10-Oct	11:17	0.000
129	10-Oct	11:18	0.000
130	10-Oct	11:19	0.001
131	10-Oct	11:20	0.001
132	10-Oct	11:21	0.003
133	10-Oct	11:22	0.001
134	10-Oct	11:23	0.000
135	10-Oct	11:24	0.000
136	10-Oct	11:25	0.000
137	10-Oct	11:26	0.000
138	10-Oct	11:27	0.000
139	10-Oct	11:28	0.001
140	10-Oct	11:29	0.002
141	10-Oct	11:30	0.000
142	10-Oct	11:31	0.000
143	10-Oct	11:32	0.000
144	10-Oct	11:33	0.000
145	10-Oct	11:34	0.000
146	10-Oct	11:35	0.001
147	10-Oct	11:36	0.001
148	10-Oct	11:37	0.001
149	10-Oct	11:38	0.001
150	10-Oct	11:39	0.000
151	10-Oct	11:40	0.000
152	10-Oct	11:41	0.000
153	10-Oct	11:42	0.000
154	10-Oct	11:43	0.000
155	10-Oct	11:44	0.001
156	10-Oct	11:45	0.002
157	10-Oct	11:46	0.002
158	10-Oct	11:47	0.000
159	10-Oct	11:48	0.000
160	10-Oct	11:49	0.000
161	10-Oct	11:50	0.000
162	10-Oct	11:51	0.001
163	10-Oct	11:52	0.001
164	10-Oct	11:53	0.003
165	10-Oct	11:54	0.002
166	10-Oct	11:55	0.002
167	10-Oct	11:56	0.000
168	10-Oct	11:57	0.000
169	10-Oct	11:58	0.003
170	10-Oct	11:59	0.002
171	10-Oct	12:00	0.000
172	10-Oct	12:01	0.002

173	10-Oct	12:02	0.002
174	10-Oct	12:03	0.002
175	10-Oct	12:04	0.000
176	10-Oct	12:05	0.000
177	10-Oct	12:06	0.000
178	10-Oct	12:07	0.000
179	10-Oct	12:08	0.001
180	10-Oct	12:09	0.002
181	10-Oct	12:10	0.000
182	10-Oct	12:11	0.000
183	10-Oct	12:12	0.000
184	10-Oct	12:13	0.000
185	10-Oct	12:14	0.001
186	10-Oct	12:15	0.000
187	10-Oct	12:16	0.000
188	10-Oct	12:17	0.000
189	10-Oct	12:18	0.000
190	10-Oct	12:19	0.000
191	10-Oct	12:20	0.000
192	10-Oct	12:21	0.000
193	10-Oct	12:22	0.000
194	10-Oct	12:23	0.000
195	10-Oct	12:24	0.000
196	10-Oct	12:25	0.000
197	10-Oct	12:26	0.000
198	10-Oct	12:27	0.000
199	10-Oct	12:28	0.000
200	10-Oct	12:29	0.000
201	10-Oct	12:30	0.000
202	10-Oct	12:31	0.001
203	10-Oct	12:32	0.001
204	10-Oct	12:33	0.000
205	10-Oct	12:34	0.000
206	10-Oct	12:35	0.000
207	10-Oct	12:36	0.000
208	10-Oct	12:37	0.000
209	10-Oct	12:38	0.001
210	10-Oct	12:39	0.002
211	10-Oct	12:40	0.002
212	10-Oct	12:41	0.000
213	10-Oct	12:42	0.000
214	10-Oct	12:43	0.001
215	10-Oct	12:44	0.001
216	10-Oct	12:45	0.000
217	10-Oct	12:46	0.000
218	10-Oct	12:47	0.000
219	10-Oct	12:48	0.000
220	10-Oct	12:49	0.000
221	10-Oct	12:50	0.001
222	10-Oct	12:51	0.002
223	10-Oct	12:52	0.002
224	10-Oct	12:53	0.000
225	10-Oct	12:54	0.000
226	10-Oct	12:55	0.001
227	10-Oct	12:56	0.001
228	10-Oct	12:57	0.000
229	10-Oct	12:58	0.000
230	10-Oct	12:59	0.000
231	10-Oct	1:00	0.000

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 009059
User ID: 00000001 Site ID: 00000202
Data Points: 227 Gas Name: Isobutylene Sample Period: 60 sec
Last Calibration Time: 09/03/13 11:05

Measurement Type:	Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0

Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	10/10/13	9:12	-----	0.0	0.1
2	10/10/13	9:13	-----	0.0	0.1
3	10/10/13	9:14	-----	0.0	0.1
4	10/10/13	9:15	-----	0.0	0.1
5	10/10/13	9:16	-----	0.0	0.1
6	10/10/13	9:17	-----	0.0	0.1
7	10/10/13	9:18	-----	0.0	0.1
8	10/10/13	9:19	-----	0.0	0.1
9	10/10/13	9:20	-----	0.0	0.1
10	10/10/13	9:21	-----	0.0	0.1
11	10/10/13	9:22	-----	0.0	0.1
12	10/10/13	9:23	-----	0.0	0.1
13	10/10/13	9:24	-----	0.0	0.1
14	10/10/13	9:25	-----	0.0	0.1
15	10/10/13	9:26	-----	0.0	0.1
16	10/10/13	9:27	-----	0.0	0.1
17	10/10/13	9:28	-----	0.0	0.1
18	10/10/13	9:29	-----	0.0	0.1
19	10/10/13	9:30	-----	0.0	0.1
20	10/10/13	9:31	-----	0.0	0.1
21	10/10/13	9:32	-----	0.0	0.0
22	10/10/13	9:33	-----	0.0	0.1
23	10/10/13	9:34	-----	0.0	0.0
24	10/10/13	9:35	-----	0.0	0.1
25	10/10/13	9:36	-----	0.0	0.1
26	10/10/13	9:37	-----	0.0	0.0
27	10/10/13	9:38	-----	0.0	0.1
28	10/10/13	9:39	-----	0.0	0.1
29	10/10/13	9:40	-----	0.0	0.1
30	10/10/13	9:41	-----	0.0	0.1
31	10/10/13	9:42	-----	0.0	0.0
32	10/10/13	9:43	-----	0.0	0.1
33	10/10/13	9:44	-----	0.0	0.1
34	10/10/13	9:45	-----	0.0	0.1
35	10/10/13	9:46	-----	0.0	0.1
36	10/10/13	9:47	-----	0.0	0.1
37	10/10/13	9:48	-----	0.0	0.0
38	10/10/13	9:49	-----	0.0	0.1
39	10/10/13	9:50	-----	0.0	0.1
40	10/10/13	9:51	-----	0.0	0.1
41	10/10/13	9:52	-----	0.0	0.1
42	10/10/13	9:53	-----	0.0	0.1
43	10/10/13	9:54	-----	0.0	0.1
44	10/10/13	9:55	-----	0.0	0.1
45	10/10/13	9:56	-----	0.0	0.1
46	10/10/13	9:57	-----	0.0	0.1
47	10/10/13	9:58	-----	0.0	0.1
48	10/10/13	9:59	-----	0.0	0.1
49	10/10/13	10:00	-----	0.0	0.1
50	10/10/13	10:01	-----	0.0	0.1
51	10/10/13	10:02	-----	0.0	0.1
52	10/10/13	10:03	-----	0.0	0.1
53	10/10/13	10:04	-----	0.0	0.1
54	10/10/13	10:05	-----	0.0	0.1
55	10/10/13	10:06	-----	0.0	0.1
56	10/10/13	10:07	-----	0.0	0.1
57	10/10/13	10:08	-----	0.0	0.1
58	10/10/13	10:09	-----	0.0	0.1
59	10/10/13	10:10	-----	0.0	0.1
60	10/10/13	10:11	-----	0.0	0.1
61	10/10/13	10:12	-----	0.0	0.1
62	10/10/13	10:13	-----	0.0	0.1
63	10/10/13	10:14	-----	0.0	0.1
64	10/10/13	10:15	-----	0.0	0.1
65	10/10/13	10:16	-----	0.0	0.1
66	10/10/13	10:17	-----	0.0	0.1
67	10/10/13	10:18	-----	0.0	0.1
68	10/10/13	10:19	-----	0.0	0.1
69	10/10/13	10:20	-----	0.0	0.1

70	10/10/13	10:21	-----	0.0	0.1
71	10/10/13	10:22	-----	0.0	0.1
72	10/10/13	10:23	-----	0.0	0.1
73	10/10/13	10:24	-----	0.0	0.1
74	10/10/13	10:25	-----	0.0	0.1
75	10/10/13	10:26	-----	0.0	0.1
76	10/10/13	10:27	-----	0.0	0.1
77	10/10/13	10:28	-----	0.0	0.1
78	10/10/13	10:29	-----	0.0	0.1
79	10/10/13	10:30	-----	0.0	0.1
80	10/10/13	10:31	-----	0.0	0.1
81	10/10/13	10:32	-----	0.0	0.1
82	10/10/13	10:33	-----	0.0	0.1
83	10/10/13	10:34	-----	0.0	0.1
84	10/10/13	10:35	-----	0.0	0.1
85	10/10/13	10:36	-----	0.0	0.1
86	10/10/13	10:37	-----	0.0	0.1
87	10/10/13	10:38	-----	0.0	0.1
88	10/10/13	10:39	-----	0.0	0.1
89	10/10/13	10:40	-----	0.0	0.1
90	10/10/13	10:41	-----	0.0	0.1
91	10/10/13	10:42	-----	0.0	0.1
92	10/10/13	10:43	-----	0.0	0.1
93	10/10/13	10:44	-----	0.0	0.1
94	10/10/13	10:45	-----	0.0	0.1
95	10/10/13	10:46	-----	0.0	0.1
96	10/10/13	10:47	-----	0.0	0.1
97	10/10/13	10:48	-----	0.0	0.1
98	10/10/13	10:49	-----	0.0	0.1
99	10/10/13	10:50	-----	0.0	0.1
100	10/10/13	10:51	-----	0.0	0.1
101	10/10/13	10:52	-----	0.0	0.1
102	10/10/13	10:53	-----	0.0	0.1
103	10/10/13	10:54	-----	0.0	0.1
104	10/10/13	10:55	-----	0.0	0.1
105	10/10/13	10:56	-----	0.0	0.1
106	10/10/13	10:57	-----	0.0	0.1
107	10/10/13	10:58	-----	0.0	0.1
108	10/10/13	10:59	-----	0.0	0.1
109	10/10/13	11:00	-----	0.0	0.1
110	10/10/13	11:01	-----	0.0	0.1
111	10/10/13	11:02	-----	0.0	0.1
112	10/10/13	11:03	-----	0.0	0.1
113	10/10/13	11:04	-----	0.0	0.1
114	10/10/13	11:05	-----	0.0	0.1
115	10/10/13	11:06	-----	0.0	0.1
116	10/10/13	11:07	-----	0.0	0.1
117	10/10/13	11:08	-----	0.0	0.1
118	10/10/13	11:09	-----	0.0	0.1
119	10/10/13	11:10	-----	0.0	0.1
120	10/10/13	11:11	-----	0.0	0.1
121	10/10/13	11:12	-----	0.0	0.1
122	10/10/13	11:13	-----	0.0	0.1
123	10/10/13	11:14	-----	0.0	0.1
124	10/10/13	11:15	-----	0.0	0.1
125	10/10/13	11:16	-----	0.0	0.1
126	10/10/13	11:17	-----	0.0	0.1
127	10/10/13	11:18	-----	0.0	0.1
128	10/10/13	11:19	-----	0.0	0.1
129	10/10/13	11:20	-----	0.0	0.1
130	10/10/13	11:21	-----	0.0	0.1
131	10/10/13	11:22	-----	0.0	0.1
132	10/10/13	11:23	-----	0.0	0.1
133	10/10/13	11:24	-----	0.0	0.1
134	10/10/13	11:25	-----	0.0	0.1
135	10/10/13	11:26	-----	0.0	0.1
136	10/10/13	11:27	-----	0.0	0.1
137	10/10/13	11:28	-----	0.0	0.1
138	10/10/13	11:29	-----	0.0	0.1
139	10/10/13	11:30	-----	0.0	0.1
140	10/10/13	11:31	-----	0.0	0.1
141	10/10/13	11:32	-----	0.0	0.1
142	10/10/13	11:33	-----	0.0	0.1
143	10/10/13	11:34	-----	0.0	0.1
144	10/10/13	11:35	-----	0.0	0.1
145	10/10/13	11:36	-----	0.0	0.1
146	10/10/13	11:37	-----	0.0	0.1
147	10/10/13	11:38	-----	0.0	0.1
148	10/10/13	11:39	-----	0.0	0.1
149	10/10/13	11:40	-----	0.0	0.1

150	10/10/13	11:41	-----	0.0	0.1
151	10/10/13	11:42	-----	0.0	0.1
152	10/10/13	11:43	-----	0.0	0.1
153	10/10/13	11:44	-----	0.0	0.1
154	10/10/13	11:45	-----	0.0	0.1
155	10/10/13	11:46	-----	0.0	0.1
156	10/10/13	11:47	-----	0.0	0.1
157	10/10/13	11:48	-----	0.0	0.1
158	10/10/13	11:49	-----	0.0	0.1
159	10/10/13	11:50	-----	0.0	0.1
160	10/10/13	11:51	-----	0.0	0.1
161	10/10/13	11:52	-----	0.0	0.1
162	10/10/13	11:53	-----	0.0	0.1
163	10/10/13	11:54	-----	0.0	0.1
164	10/10/13	11:55	-----	0.0	0.1
165	10/10/13	11:56	-----	0.0	0.1
166	10/10/13	11:57	-----	0.0	0.1
167	10/10/13	11:58	-----	0.0	0.1
168	10/10/13	11:59	-----	0.0	0.1
169	10/10/13	12:00	-----	0.0	0.1
170	10/10/13	12:01	-----	0.0	0.1
171	10/10/13	12:02	-----	0.0	0.1
172	10/10/13	12:03	-----	0.0	0.1
173	10/10/13	12:04	-----	0.0	0.1
174	10/10/13	12:05	-----	0.0	0.1
175	10/10/13	12:06	-----	0.0	0.1
176	10/10/13	12:07	-----	0.0	0.1
177	10/10/13	12:08	-----	0.0	0.1
178	10/10/13	12:09	-----	0.0	0.1
179	10/10/13	12:10	-----	0.0	0.1
180	10/10/13	12:11	-----	0.0	0.1
181	10/10/13	12:12	-----	0.0	0.1
182	10/10/13	12:13	-----	0.0	0.1
183	10/10/13	12:14	-----	0.0	0.1
184	10/10/13	12:15	-----	0.0	0.1
185	10/10/13	12:16	-----	0.0	0.1
186	10/10/13	12:17	-----	0.0	0.1
187	10/10/13	12:18	-----	0.0	0.1
188	10/10/13	12:19	-----	0.0	0.1
189	10/10/13	12:20	-----	0.0	0.1
190	10/10/13	12:21	-----	0.0	0.1
191	10/10/13	12:22	-----	0.0	0.1
192	10/10/13	12:23	-----	0.0	0.1
193	10/10/13	12:24	-----	0.0	0.1
194	10/10/13	12:25	-----	0.0	0.1
195	10/10/13	12:26	-----	0.0	0.1
196	10/10/13	12:27	-----	0.0	0.1
197	10/10/13	12:28	-----	0.0	0.1
198	10/10/13	12:29	-----	0.0	0.1
199	10/10/13	12:30	-----	0.0	0.1
200	10/10/13	12:31	-----	0.0	0.1
201	10/10/13	12:32	-----	0.0	0.1
202	10/10/13	12:33	-----	0.0	0.0
203	10/10/13	12:34	-----	0.0	0.0
204	10/10/13	12:35	-----	0.0	0.0
205	10/10/13	12:36	-----	0.0	0.0
206	10/10/13	12:37	-----	0.0	0.1
207	10/10/13	12:38	-----	0.0	0.0
208	10/10/13	12:39	-----	0.0	0.0
209	10/10/13	12:40	-----	0.0	0.2
210	10/10/13	12:41	-----	0.0	0.0
211	10/10/13	12:42	-----	0.0	0.0
212	10/10/13	12:43	-----	0.0	0.1
213	10/10/13	12:44	-----	0.0	0.0
214	10/10/13	12:45	-----	0.0	0.0
215	10/10/13	12:46	-----	0.0	0.0
216	10/10/13	12:47	-----	0.0	0.0
217	10/10/13	12:48	-----	0.0	0.0
218	10/10/13	12:49	-----	0.0	0.0
219	10/10/13	12:50	-----	0.0	0.0
220	10/10/13	12:51	-----	0.0	0.0
221	10/10/13	12:52	-----	0.0	0.1
222	10/10/13	12:53	-----	0.0	0.0
223	10/10/13	12:54	-----	0.0	0.0
224	10/10/13	12:55	-----	0.0	0.0
225	10/10/13	12:56	-----	0.0	0.2
226	10/10/13	12:57	-----	0.0	0.1
227	10/10/13	12:58	-----	0.0	0.0

DR-1000 S/N: 00000
Tag Number: 06
Number of logged points: 175
Start time and date: 09:32:51 11-Jun
Elapsed time: 02:55:00
Logging period (sec): 60
Calibration Factor (%): 100
Max Display Concentration: 0.042 mg/m³
Time at maximum: 09:38:43 Jun 11
Max STEL Concentration: 0.000 mg/m³
Time at max STEL: 09:32:51 Jun 11
Overall Avg Conc: 0.000 mg/m³
Logged Data:

Point	Date	Time	Avg.(mg/m³)
1	11 Jun	09:33:51	0.000
2	11 Jun	09:34:51	0.000
3	11 Jun	09:35:51	0.000
4	11 Jun	09:36:51	0.000
5	11 Jun	09:37:51	0.000
6	11 Jun	09:38:51	0.009
7	11 Jun	09:39:51	0.000
8	11 Jun	09:40:51	0.000
9	11 Jun	09:41:51	0.000
10	11 Jun	09:42:51	0.000
11	11 Jun	09:43:51	0.000
12	11 Jun	09:44:51	0.000
13	11 Jun	09:45:51	0.000
14	11 Jun	09:46:51	0.004
15	11 Jun	09:47:51	0.000
16	11 Jun	09:48:51	0.000
17	11 Jun	09:49:51	0.000
18	11 Jun	09:50:51	0.000
19	11 Jun	09:51:51	0.000
20	11 Jun	09:52:51	0.000
21	11 Jun	09:53:51	0.003
22	11 Jun	09:54:51	0.000
23	11 Jun	09:55:51	0.000
24	11 Jun	09:56:51	0.000
25	11 Jun	09:57:51	0.000
26	11 Jun	09:58:51	0.000
27	11 Jun	09:59:51	0.000
28	11 Jun	10:00:51	0.000
29	11 Jun	10:01:51	0.001
30	11 Jun	10:02:51	0.000
31	11 Jun	10:03:51	0.000
32	11 Jun	10:04:51	0.000
33	11 Jun	10:05:51	0.000
34	11 Jun	10:06:51	0.000
35	11 Jun	10:07:51	0.000
36	11 Jun	10:08:51	0.000
37	11 Jun	10:09:51	0.000
38	11 Jun	10:10:51	0.000
39	11 Jun	10:11:51	0.000
40	11 Jun	10:12:51	0.000
41	11 Jun	10:13:51	0.000
42	11 Jun	10:14:51	0.000
43	11 Jun	10:15:51	0.000
44	11 Jun	10:16:51	0.000
45	11 Jun	10:17:51	0.002
46	11 Jun	10:18:51	0.000
47	11 Jun	10:19:51	0.000
48	11 Jun	10:20:51	0.000
49	11 Jun	10:21:51	0.000
50	11 Jun	10:22:51	0.000
51	11 Jun	10:23:51	0.004
52	11 Jun	10:24:51	0.000
53	11 Jun	10:25:51	0.000
54	11 Jun	10:26:51	0.000
55	11 Jun	10:27:51	0.001
56	11 Jun	10:28:51	0.000
57	11 Jun	10:29:51	0.000

58,	11	Jun,	10:30:51,	0.000
59,	11	Jun,	10:31:51,	0.000
60,	11	Jun,	10:32:51,	0.000
61,	11	Jun,	10:33:51,	0.000
62,	11	Jun,	10:34:51,	0.000
63,	11	Jun,	10:35:51,	0.000
64,	11	Jun,	10:36:51,	0.000
65,	11	Jun,	10:37:51,	0.002
66,	11	Jun,	10:38:51,	0.000
67,	11	Jun,	10:39:51,	0.000
68,	11	Jun,	10:40:51,	0.000
69,	11	Jun,	10:41:51,	0.000
70,	11	Jun,	10:42:51,	0.005
71,	11	Jun,	10:43:51,	0.001
72,	11	Jun,	10:44:51,	0.006
73,	11	Jun,	10:45:51,	0.000
74,	11	Jun,	10:46:51,	0.000
75,	11	Jun,	10:47:51,	0.003
76,	11	Jun,	10:48:51,	0.001
77,	11	Jun,	10:49:51,	0.000
78,	11	Jun,	10:50:51,	0.000
79,	11	Jun,	10:51:51,	0.000
80,	11	Jun,	10:52:51,	0.000
81,	11	Jun,	10:53:51,	0.002
82,	11	Jun,	10:54:51,	0.001
83,	11	Jun,	10:55:51,	0.000
84,	11	Jun,	10:56:51,	0.000
85,	11	Jun,	10:57:51,	0.000
86,	11	Jun,	10:58:51,	0.000
87,	11	Jun,	10:59:51,	0.000
88,	11	Jun,	11:00:51,	0.000
89,	11	Jun,	11:01:51,	0.000
90,	11	Jun,	11:02:51,	0.000
91,	11	Jun,	11:03:51,	0.000
92,	11	Jun,	11:04:51,	0.000
93,	11	Jun,	11:05:51,	0.000
94,	11	Jun,	11:06:51,	0.002
95,	11	Jun,	11:07:51,	0.000
96,	11	Jun,	11:08:51,	0.000
97,	11	Jun,	11:09:51,	0.000
98,	11	Jun,	11:10:51,	0.000
99,	11	Jun,	11:11:51,	0.000
100,	11	Jun,	11:12:51,	0.000
101,	11	Jun,	11:13:51,	0.000
102,	11	Jun,	11:14:51,	0.000
103,	11	Jun,	11:15:51,	0.000
104,	11	Jun,	11:16:51,	0.000
105,	11	Jun,	11:17:51,	0.000
106,	11	Jun,	11:18:51,	0.000
107,	11	Jun,	11:19:51,	0.000
108,	11	Jun,	11:20:51,	0.003
109,	11	Jun,	11:21:51,	0.000
110,	11	Jun,	11:22:51,	0.000
111,	11	Jun,	11:23:51,	0.002
112,	11	Jun,	11:24:51,	0.000
113,	11	Jun,	11:25:51,	0.000
114,	11	Jun,	11:26:51,	0.001
115,	11	Jun,	11:27:51,	0.000
116,	11	Jun,	11:28:51,	0.000
117,	11	Jun,	11:29:51,	0.000
118,	11	Jun,	11:30:51,	0.000
119,	11	Jun,	11:31:51,	0.000
120,	11	Jun,	11:32:51,	0.000
121,	11	Jun,	11:33:51,	0.000
122,	11	Jun,	11:34:51,	0.000
123,	11	Jun,	11:35:51,	0.000
124,	11	Jun,	11:36:51,	0.000
125,	11	Jun,	11:37:51,	0.000
126,	11	Jun,	11:38:51,	0.000
127,	11	Jun,	11:39:51,	0.000
128,	11	Jun,	11:40:51,	0.000

129, 11 Jun, 11:41:51, 0.000
130, 11 Jun, 11:42:51, 0.000
131, 11 Jun, 11:43:51, 0.000
132, 11 Jun, 11:44:51, 0.007
133, 11 Jun, 11:45:51, 0.000
134, 11 Jun, 11:46:51, 0.000
135, 11 Jun, 11:47:51, 0.000
136, 11 Jun, 11:48:51, 0.004
137, 11 Jun, 11:49:51, 0.000
138, 11 Jun, 11:50:51, 0.000
139, 11 Jun, 11:51:51, 0.000
140, 11 Jun, 11:52:51, 0.000
141, 11 Jun, 11:53:51, 0.000
142, 11 Jun, 11:54:51, 0.000
143, 11 Jun, 11:55:51, 0.000
144, 11 Jun, 11:56:51, 0.000
145, 11 Jun, 11:57:51, 0.000
146, 11 Jun, 11:58:51, 0.001
147, 11 Jun, 11:59:51, 0.000
148, 11 Jun, 12:00:51, 0.000
149, 11 Jun, 12:01:51, 0.000
150, 11 Jun, 12:02:51, 0.000
151, 11 Jun, 12:03:51, 0.000
152, 11 Jun, 12:04:51, 0.000
153, 11 Jun, 12:05:51, 0.000
154, 11 Jun, 12:06:51, 0.000
155, 11 Jun, 12:07:51, 0.000
156, 11 Jun, 12:08:51, 0.002
157, 11 Jun, 12:09:51, 0.000
158, 11 Jun, 12:10:51, 0.000
159, 11 Jun, 12:11:51, 0.000
160, 11 Jun, 12:12:51, 0.004
161, 11 Jun, 12:13:51, 0.000
162, 11 Jun, 12:14:51, 0.000
163, 11 Jun, 12:15:51, 0.000
164, 11 Jun, 12:16:51, 0.000
165, 11 Jun, 12:17:51, 0.000
166, 11 Jun, 12:18:51, 0.002
167, 11 Jun, 12:19:51, 0.000
168, 11 Jun, 12:20:51, 0.000
169, 11 Jun, 12:21:51, 0.000
170, 11 Jun, 12:22:51, 0.000
171, 11 Jun, 12:23:51, 0.000
172, 11 Jun, 12:24:51, 0.000
173, 11 Jun, 12:25:51, 0.000
174, 11 Jun, 12:26:51, 0.001
175, 11 Jun, 12:27:51, 0.000

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 009059
User ID: 00000001 Site ID: 00000202
Data Points: 183 Gas Name: Isobutylene Sample Period: 60 sec
Last Calibration Time: 02/07/13 10:49

Measurement Type:	Min (ppm)	Avg (ppm)	Max (ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0

Line #	Date	Time	Min (ppm)	Avg (ppm)	Max (ppm)
1	06/11/13	9:30	-----	0.0	0.1
2	06/11/13	9:31	-----	0.0	0.1
3	06/11/13	9:32	-----	0.0	0.0
4	06/11/13	9:33	-----	0.0	0.1
5	06/11/13	9:34	-----	0.0	0.0
6	06/11/13	9:35	-----	0.0	0.1
7	06/11/13	9:36	-----	0.0	0.1
8	06/11/13	9:37	-----	0.0	0.0
9	06/11/13	9:38	-----	0.0	0.1
10	06/11/13	9:39	-----	0.0	0.1
11	06/11/13	9:40	-----	0.0	0.1
12	06/11/13	9:41	-----	0.0	0.1
13	06/11/13	9:42	-----	0.0	0.0
14	06/11/13	9:43	-----	0.0	0.1
15	06/11/13	9:44	-----	0.0	0.1
16	06/11/13	9:45	-----	0.0	0.1
17	06/11/13	9:46	-----	0.0	0.1
18	06/11/13	9:47	-----	0.0	0.1
19	06/11/13	9:48	-----	0.0	0.0
20	06/11/13	9:49	-----	0.0	0.1
21	06/11/13	9:50	-----	0.0	0.1
22	06/11/13	9:51	-----	0.0	0.1
23	06/11/13	9:52	-----	0.0	0.1
24	06/11/13	9:53	-----	0.0	0.1
25	06/11/13	9:54	-----	0.0	0.1
26	06/11/13	9:55	-----	0.0	0.1
27	06/11/13	9:56	-----	0.0	0.1
28	06/11/13	9:57	-----	0.0	0.1
29	06/11/13	9:58	-----	0.0	0.1
30	06/11/13	9:59	-----	0.0	0.1
31	06/11/13	10:00	-----	0.0	0.1
32	06/11/13	10:01	-----	0.0	0.1
33	06/11/13	10:02	-----	0.0	0.1
34	06/11/13	10:03	-----	0.0	0.1
35	06/11/13	10:04	-----	0.0	0.1
36	06/11/13	10:05	-----	0.0	0.1
37	06/11/13	10:06	-----	0.0	0.1
38	06/11/13	10:07	-----	0.0	0.1
39	06/11/13	10:08	-----	0.0	0.1
40	06/11/13	10:09	-----	0.0	0.1
41	06/11/13	10:10	-----	0.0	0.1
42	06/11/13	10:11	-----	0.0	0.1
43	06/11/13	10:12	-----	0.0	0.1
44	06/11/13	10:13	-----	0.0	0.1
45	06/11/13	10:14	-----	0.0	0.1
46	06/11/13	10:15	-----	0.0	0.1
47	06/11/13	10:16	-----	0.0	0.1
48	06/11/13	10:17	-----	0.0	0.1
49	06/11/13	10:18	-----	0.0	0.1
50	06/11/13	10:19	-----	0.0	0.1
51	06/11/13	10:20	-----	0.0	0.1
52	06/11/13	10:21	-----	0.0	0.1
53	06/11/13	10:22	-----	0.0	0.1
54	06/11/13	10:23	-----	0.0	0.1

55	06/11/13	10:24	-----	0.0	0.1
56	06/11/13	10:25	-----	0.0	0.1
57	06/11/13	10:26	-----	0.0	0.1
58	06/11/13	10:27	-----	0.0	0.1
59	06/11/13	10:28	-----	0.0	0.1
60	06/11/13	10:29	-----	0.0	0.1
61	06/11/13	10:30	-----	0.0	0.1
62	06/11/13	10:31	-----	0.0	0.1
63	06/11/13	10:32	-----	0.0	0.1
64	06/11/13	10:33	-----	0.0	0.1
65	06/11/13	10:34	-----	0.0	0.1
66	06/11/13	10:35	-----	0.0	0.1
67	06/11/13	10:36	-----	0.0	0.1
68	06/11/13	10:37	-----	0.0	0.1
69	06/11/13	10:38	-----	0.0	0.1
70	06/11/13	10:39	-----	0.0	0.1
71	06/11/13	10:40	-----	0.0	0.1
72	06/11/13	10:41	-----	0.0	0.1
73	06/11/13	10:42	-----	0.0	0.1
74	06/11/13	10:43	-----	0.0	0.1
75	06/11/13	10:44	-----	0.0	0.1
76	06/11/13	10:45	-----	0.0	0.1
77	06/11/13	10:46	-----	0.0	0.1
78	06/11/13	10:47	-----	0.0	0.1
79	06/11/13	10:48	-----	0.0	0.1
80	06/11/13	10:49	-----	0.0	0.1
81	06/11/13	10:50	-----	0.0	0.1
82	06/11/13	10:51	-----	0.0	0.1
83	06/11/13	10:52	-----	0.0	0.1
84	06/11/13	10:53	-----	0.0	0.1
85	06/11/13	10:54	-----	0.0	0.1
86	06/11/13	10:55	-----	0.0	0.1
87	06/11/13	10:56	-----	0.0	0.1
88	06/11/13	10:57	-----	0.0	0.1
89	06/11/13	10:58	-----	0.0	0.1
90	06/11/13	10:59	-----	0.0	0.1
91	06/11/13	11:00	-----	0.0	0.1
92	06/11/13	11:01	-----	0.0	0.1
93	06/11/13	11:02	-----	0.0	0.1
94	06/11/13	11:03	-----	0.0	0.1
95	06/11/13	11:04	-----	0.0	0.1
96	06/11/13	11:05	-----	0.0	0.1
97	06/11/13	11:06	-----	0.0	0.1
98	06/11/13	11:07	-----	0.0	0.1
99	06/11/13	11:08	-----	0.0	0.1
100	06/11/13	11:09	-----	0.0	0.1
101	06/11/13	11:10	-----	0.0	0.1
102	06/11/13	11:11	-----	0.0	0.1
103	06/11/13	11:12	-----	0.0	0.1
104	06/11/13	11:13	-----	0.0	0.1
105	06/11/13	11:14	-----	0.0	0.1
106	06/11/13	11:15	-----	0.0	0.1
107	06/11/13	11:16	-----	0.0	0.1
108	06/11/13	11:17	-----	0.0	0.1
109	06/11/13	11:18	-----	0.0	0.1
110	06/11/13	11:19	-----	0.0	0.1
111	06/11/13	11:20	-----	0.0	0.1
112	06/11/13	11:21	-----	0.0	0.1
113	06/11/13	11:22	-----	0.0	0.1
114	06/11/13	11:23	-----	0.0	0.1
115	06/11/13	11:24	-----	0.0	0.1
116	06/11/13	11:25	-----	0.0	0.1
117	06/11/13	11:26	-----	0.0	0.1
118	06/11/13	11:27	-----	0.0	0.1
119	06/11/13	11:28	-----	0.0	0.1

120	06/11/13	11:29	-----	0.0	0.1
121	06/11/13	11:30	-----	0.0	0.1
122	06/11/13	11:31	-----	0.0	0.1
123	06/11/13	11:32	-----	0.0	0.1
124	06/11/13	11:33	-----	0.0	0.1
125	06/11/13	11:34	-----	0.0	0.1
126	06/11/13	11:35	-----	0.0	0.1
127	06/11/13	11:36	-----	0.0	0.1
128	06/11/13	11:37	-----	0.0	0.1
129	06/11/13	11:38	-----	0.0	0.1
130	06/11/13	11:39	-----	0.0	0.1
131	06/11/13	11:40	-----	0.0	0.1
132	06/11/13	11:41	-----	0.0	0.1
133	06/11/13	11:42	-----	0.0	0.1
134	06/11/13	11:43	-----	0.0	0.1
135	06/11/13	11:44	-----	0.0	0.1
136	06/11/13	11:45	-----	0.0	0.1
137	06/11/13	11:46	-----	0.0	0.1
138	06/11/13	11:47	-----	0.0	0.1
139	06/11/13	11:48	-----	0.0	0.1
140	06/11/13	11:49	-----	0.0	0.1
141	06/11/13	11:50	-----	0.0	0.1
142	06/11/13	11:51	-----	0.0	0.1
143	06/11/13	11:52	-----	0.0	0.1
144	06/11/13	11:53	-----	0.0	0.1
145	06/11/13	11:54	-----	0.0	0.1
146	06/11/13	11:55	-----	0.0	0.1
147	06/11/13	11:56	-----	0.0	0.1
148	06/11/13	11:57	-----	0.0	0.1
149	06/11/13	11:58	-----	0.0	0.1
150	06/11/13	11:59	-----	0.0	0.1
151	06/11/13	12:00	-----	0.0	0.1
152	06/11/13	12:01	-----	0.0	0.1
153	06/11/13	12:02	-----	0.0	0.1
154	06/11/13	12:03	-----	0.0	0.1
155	06/11/13	12:04	-----	0.0	0.1
156	06/11/13	12:05	-----	0.0	0.1
157	06/11/13	12:06	-----	0.0	0.1
158	06/11/13	12:07	-----	0.0	0.1
159	06/11/13	12:08	-----	0.0	0.1
160	06/11/13	12:09	-----	0.0	0.1
161	06/11/13	12:10	-----	0.0	0.1
162	06/11/13	12:11	-----	0.0	0.1
163	06/11/13	12:12	-----	0.0	0.1
164	06/11/13	12:13	-----	0.0	0.1
165	06/11/13	12:14	-----	0.0	0.1
166	06/11/13	12:15	-----	0.0	0.1
167	06/11/13	12:16	-----	0.0	0.1
168	06/11/13	12:17	-----	0.0	0.1
169	06/11/13	12:18	-----	0.0	0.1
170	06/11/13	12:19	-----	0.0	0.1
171	06/11/13	12:20	-----	0.0	0.1
172	06/11/13	12:21	-----	0.0	0.1
173	06/11/13	12:22	-----	0.0	0.1
174	06/11/13	12:23	-----	0.0	0.1
175	06/11/13	12:24	-----	0.0	0.1
176	06/11/13	12:25	-----	0.0	0.1
177	06/11/13	12:26	-----	0.0	0.1
178	06/11/13	12:27	-----	0.0	0.1
179	06/11/13	12:28	-----	0.0	0.1
180	06/11/13	12:29	-----	0.0	0.1
181	06/11/13	12:30	-----	0.0	0.1
182	06/11/13	12:31	-----	0.0	0.1
183	06/11/13	12:32	-----	0.0	0.1

pDR-1000 S/N: 00000
Tag Number: 06
Number of Logged Points: 173
Start time and date: 09:40:00 10-Apr
Elapsed time: 02:52:00
Logging period (sec) : 60
Calibration Factor (%) : 100
Max Display Concentration: 0.042
Time at maximum: 10:35
Max STEL Concentration : 0.000 mg/m3
Time at max STEL: 9:39 Apr 10
Overall Avg Conc: 0.000 mg/m3
Logged Data:

Point	Date	Time	Avg. (mg/m3)
1	10 Apr	9:40	0.001
2	10 Apr	9:41	0.001
3	10 Apr	9:42	0.003
4	10 Apr	9:43	0.002
5	10 Apr	9:44	0.000
6	10 Apr	9:45	0.003
7	10 Apr	9:46	0.002
8	10 Apr	9:47	0.001
9	10 Apr	9:48	0.000
10	10 Apr	9:49	0.000
11	10 Apr	9:50	0.000
12	10 Apr	9:51	0.000
13	10 Apr	9:52	0.000
14	10 Apr	9:53	0.001
15	10 Apr	9:54	0.002
16	10 Apr	9:55	0.004
17	10 Apr	9:56	0.000
18	10 Apr	9:57	0.000
19	10 Apr	9:58	0.000
20	10 Apr	9:59	0.000
21	10 Apr	10:00	0.001
22	10 Apr	10:01	0.001
23	10 Apr	10:02	0.003
24	10 Apr	10:03	0.002
25	10 Apr	10:04	0.000
26	10 Apr	10:05	0.003
27	10 Apr	10:06	0.002
28	10 Apr	10:07	0.001
29	10 Apr	10:08	0.000
30	10 Apr	10:09	0.000
31	10 Apr	10:10	0.000
32	10 Apr	10:11	0.000
33	10 Apr	10:12	0.000
34	10 Apr	10:13	0.001
35	10 Apr	10:14	0.002
36	10 Apr	10:15	0.004
37	10 Apr	10:16	0.000
38	10 Apr	10:17	0.000
39	10 Apr	10:18	0.000
40	10 Apr	10:19	0.000
41	10 Apr	10:20	0.001
42	10 Apr	10:21	0.001
43	10 Apr	10:22	0.003
44	10 Apr	10:23	0.002
45	10 Apr	10:24	0.000
46	10 Apr	10:25	0.003

47	10 Apr	10:26	0.002
48	10 Apr	10:27	0.001
49	10 Apr	10:28	0.000
50	10 Apr	10:29	0.000
51	10 Apr	10:30	0.000
52	10 Apr	10:31	0.000
53	10 Apr	10:32	0.000
54	10 Apr	10:33	0.001
55	10 Apr	10:34	0.002
56	10 Apr	10:35	0.004
57	10 Apr	10:36	0.000
58	10 Apr	10:37	0.000
59	10 Apr	10:38	0.000
60	10 Apr	10:39	0.000
61	10 Apr	10:40	0.001
62	10 Apr	10:41	0.001
63	10 Apr	10:42	0.003
64	10 Apr	10:43	0.002
65	10 Apr	10:44	0.000
66	10 Apr	10:45	0.003
67	10 Apr	10:46	0.002
68	10 Apr	10:47	0.001
69	10 Apr	10:48	0.000
70	10 Apr	10:49	0.000
71	10 Apr	10:50	0.000
72	10 Apr	10:51	0.000
73	10 Apr	10:52	0.000
74	10 Apr	10:53	0.001
75	10 Apr	10:54	0.002
76	10 Apr	10:55	0.004
77	10 Apr	10:56	0.000
78	10 Apr	10:57	0.000
79	10 Apr	10:58	0.000
80	10 Apr	10:59	0.002
81	10 Apr	11:00	0.003
82	10 Apr	11:01	0.000
83	10 Apr	11:02	0.001
84	10 Apr	11:03	0.001
85	10 Apr	11:04	0.002
86	10 Apr	11:05	0.000
87	10 Apr	11:06	0.000
88	10 Apr	11:07	0.003
89	10 Apr	11:08	0.002
90	10 Apr	11:09	0.000
91	10 Apr	11:10	0.004
92	10 Apr	11:11	0.002
93	10 Apr	11:12	0.002
94	10 Apr	11:13	0.000
95	10 Apr	11:14	0.000
96	10 Apr	11:15	0.003
97	10 Apr	11:16	0.002
98	10 Apr	11:17	0.000
99	10 Apr	11:18	0.004
100	10 Apr	11:19	0.002
101	10 Apr	11:20	0.002
102	10 Apr	11:21	0.000
103	10 Apr	11:22	0.000
104	10 Apr	11:23	0.003
105	10 Apr	11:24	0.002
106	10 Apr	11:25	0.000

107	10 Apr	11:26	0.004
108	10 Apr	11:27	0.002
109	10 Apr	11:28	0.002
110	10 Apr	11:29	0.000
111	10 Apr	11:30	0.000
112	10 Apr	11:31	0.003
113	10 Apr	11:32	0.002
114	10 Apr	11:33	0.000
115	10 Apr	11:34	0.004
116	10 Apr	11:35	0.002
117	10 Apr	11:36	0.001
118	10 Apr	11:37	0.000
119	10 Apr	11:38	0.000
120	10 Apr	11:39	0.000
121	10 Apr	11:40	0.000
122	10 Apr	11:41	0.000
123	10 Apr	11:42	0.001
124	10 Apr	11:43	0.002
125	10 Apr	11:44	0.004
126	10 Apr	11:45	0.000
127	10 Apr	11:46	0.000
128	10 Apr	11:47	0.000
129	10 Apr	11:48	0.000
130	10 Apr	11:49	0.001
131	10 Apr	11:50	0.001
132	10 Apr	11:51	0.003
133	10 Apr	11:52	0.001
134	10 Apr	11:53	0.000
135	10 Apr	11:54	0.000
136	10 Apr	11:55	0.000
137	10 Apr	11:56	0.000
138	10 Apr	11:57	0.000
139	10 Apr	11:58	0.001
140	10 Apr	11:59	0.002
141	10 Apr	12:00	0.004
142	10 Apr	12:01	0.000
143	10 Apr	12:02	0.000
144	10 Apr	12:03	0.000
145	10 Apr	12:04	0.000
146	10 Apr	12:05	0.001
147	10 Apr	12:06	0.001
148	10 Apr	12:07	0.003
149	10 Apr	12:08	0.001
150	10 Apr	12:09	0.000
151	10 Apr	12:10	0.000
152	10 Apr	12:11	0.000
153	10 Apr	12:12	0.000
154	10 Apr	12:13	0.000
155	10 Apr	12:14	0.001
156	10 Apr	12:15	0.002
157	10 Apr	12:16	0.004
158	10 Apr	12:17	0.000
159	10 Apr	12:18	0.000
160	10 Apr	12:19	0.000
161	10 Apr	12:20	0.000
162	10 Apr	12:21	0.001
163	10 Apr	12:22	0.001
164	10 Apr	12:23	0.003
165	10 Apr	12:24	0.002
166	10 Apr	12:25	0.002

167	10 Apr	12:26	0.000
168	10 Apr	12:27	0.000
169	10 Apr	12:28	0.003
170	10 Apr	12:29	0.002
171	10 Apr	12:30	0.000
172	10 Apr	12:31	0.004
173	10 Apr	12:32	0.002

Quick n Clean

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 009059
User ID: 00000001 Site ID: 00000159
Data Points: 166 Gas Name: Isobutylene Sample Period: 60 sec
Last Calibration Time: 12/18/2012 14:56

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0

Line#	Date	Time	Min(ppm)	Avg(ppm)	Max(ppm)
1	04/10/2013	09:46	-----	0.0	0.8
2	04/10/2013	09:47	-----	0.0	0.0
3	04/10/2013	09:48	-----	0.0	0.3
4	04/10/2013	09:49	-----	0.0	0.0
5	04/10/2013	09:50	-----	0.0	0.0
6	04/10/2013	09:51	-----	0.0	0.0
7	04/10/2013	09:52	-----	0.0	0.0
8	04/10/2013	09:53	-----	0.0	0.0
9	04/10/2013	09:54	-----	0.0	0.1
10	04/10/2013	09:55	-----	0.0	0.1
11	04/10/2013	09:56	-----	0.0	0.0
12	04/10/2013	09:57	-----	0.0	0.1
13	04/10/2013	09:58	-----	0.0	0.1
14	04/10/2013	09:59	-----	0.0	0.0
15	04/10/2013	10:00	-----	0.0	0.1
16	04/10/2013	10:01	-----	0.0	0.1
17	04/10/2013	10:02	-----	0.0	0.1
18	04/10/2013	10:03	-----	0.0	0.1
19	04/10/2013	10:04	-----	0.0	0.1
20	04/10/2013	10:05	-----	0.0	0.1
21	04/10/2013	10:06	-----	0.0	0.1
22	04/10/2013	10:07	-----	0.0	0.2
23	04/10/2013	10:08	-----	0.0	0.1
24	04/10/2013	10:09	-----	0.0	0.2
25	04/10/2013	10:10	-----	0.0	0.1
26	04/10/2013	10:11	-----	0.0	0.2
27	04/10/2013	10:12	-----	0.0	0.2
28	04/10/2013	10:13	-----	0.0	0.2
29	04/10/2013	10:14	-----	0.1	0.2
30	04/10/2013	10:15	-----	0.1	0.2
31	04/10/2013	10:16	-----	0.1	0.2
32	04/10/2013	10:17	-----	0.1	0.2
33	04/10/2013	10:18	-----	0.1	0.3
34	04/10/2013	10:19	-----	0.1	0.3
35	04/10/2013	10:20	-----	0.1	0.3
36	04/10/2013	10:21	-----	0.0	0.2
37	04/10/2013	10:22	-----	0.0	0.1
38	04/10/2013	10:23	-----	0.0	0.1
39	04/10/2013	10:24	-----	0.0	0.1
40	04/10/2013	10:25	-----	0.0	0.1
41	04/10/2013	10:26	-----	0.0	0.1
42	04/10/2013	10:27	-----	0.0	0.2
43	04/10/2013	10:28	-----	0.0	0.2
44	04/10/2013	10:29	-----	0.0	0.2
45	04/10/2013	10:30	-----	0.0	0.2
46	04/10/2013	10:31	-----	0.1	0.2
47	04/10/2013	10:32	-----	0.1	0.2
48	04/10/2013	10:33	-----	0.1	0.2
49	04/10/2013	10:34	-----	0.1	0.2
50	04/10/2013	10:35	-----	0.1	0.2
51	04/10/2013	10:36	-----	0.1	0.2
52	04/10/2013	10:37	-----	0.1	0.2
53	04/10/2013	10:38	-----	0.1	0.3
54	04/10/2013	10:39	-----	0.1	0.2
55	04/10/2013	10:40	-----	0.1	0.3
56	04/10/2013	10:41	-----	0.1	0.3
57	04/10/2013	10:42	-----	0.1	0.3
58	04/10/2013	10:43	-----	0.1	0.2

59	04/10/2013 10:44	-----	0.2	0.3
60	04/10/2013 10:45	-----	0.2	0.3
61	04/10/2013 10:46	-----	0.2	0.3
62	04/10/2013 10:47	-----	0.2	0.3
63	04/10/2013 10:48	-----	0.2	0.3
64	04/10/2013 10:49	-----	0.2	0.3
65	04/10/2013 10:50	-----	0.2	0.3
66	04/10/2013 10:51	-----	0.2	0.3
67	04/10/2013 10:52	-----	0.2	0.4
68	04/10/2013 10:53	-----	0.2	0.3
69	04/10/2013 10:54	-----	0.2	0.4
70	04/10/2013 10:55	-----	0.2	0.3
71	04/10/2013 10:56	-----	0.1	1.7
72	04/10/2013 10:57	-----	0.0	0.1
73	04/10/2013 10:58	-----	0.0	0.1
74	04/10/2013 10:59	-----	0.0	0.1
75	04/10/2013 11:00	-----	0.0	0.1
76	04/10/2013 11:01	-----	0.0	0.1
77	04/10/2013 11:02	-----	0.0	0.1
78	04/10/2013 11:03	-----	0.0	0.1
79	04/10/2013 11:04	-----	0.0	0.1
80	04/10/2013 11:05	-----	0.0	0.1
81	04/10/2013 11:06	-----	0.0	0.1
82	04/10/2013 11:07	-----	0.0	0.1
83	04/10/2013 11:08	-----	0.0	0.1
84	04/10/2013 11:09	-----	0.0	0.0
85	04/10/2013 11:10	-----	0.0	0.1
86	04/10/2013 11:11	-----	0.0	0.1
87	04/10/2013 11:12	-----	0.0	0.1
88	04/10/2013 11:13	-----	0.0	0.2
89	04/10/2013 11:14	-----	0.0	0.2
90	04/10/2013 11:15	-----	0.0	0.3
91	04/10/2013 11:16	-----	0.0	0.2
92	04/10/2013 11:17	-----	0.0	0.1
93	04/10/2013 11:18	-----	0.0	0.1
94	04/10/2013 11:19	-----	0.0	0.1
95	04/10/2013 11:20	-----	0.0	0.0
96	04/10/2013 11:21	-----	0.0	0.1
97	04/10/2013 11:22	-----	0.0	0.1
98	04/10/2013 11:23	-----	0.0	0.1
99	04/10/2013 11:24	-----	0.0	0.1
100	04/10/2013 11:25	-----	0.0	0.1
101	04/10/2013 11:26	-----	0.0	0.1
102	04/10/2013 11:27	-----	0.0	0.1
103	04/10/2013 11:28	-----	0.0	0.1
104	04/10/2013 11:29	-----	0.0	0.1
105	04/10/2013 11:30	-----	0.0	0.1
106	04/10/2013 11:31	-----	0.0	0.1
107	04/10/2013 11:32	-----	0.0	0.1
108	04/10/2013 11:33	-----	0.0	0.1
109	04/10/2013 11:34	-----	0.0	0.1
110	04/10/2013 11:35	-----	0.0	0.1
111	04/10/2013 11:36	-----	0.0	0.1
112	04/10/2013 11:37	-----	0.0	0.1
113	04/10/2013 11:38	-----	0.0	0.1
114	04/10/2013 11:39	-----	0.0	0.1
115	04/10/2013 11:40	-----	0.0	0.1
116	04/10/2013 11:41	-----	0.0	0.1
117	04/10/2013 11:42	-----	0.0	0.1
118	04/10/2013 11:43	-----	0.0	0.1
119	04/10/2013 11:44	-----	0.0	0.1
120	04/10/2013 11:45	-----	0.0	0.1
121	04/10/2013 11:46	-----	0.0	0.1
122	04/10/2013 11:47	-----	0.0	0.1
123	04/10/2013 11:48	-----	0.0	0.7
124	04/10/2013 11:49	-----	0.0	0.1
125	04/10/2013 11:50	-----	0.0	0.1
126	04/10/2013 11:51	-----	0.0	0.0
127	04/10/2013 11:52	-----	0.0	0.1

128	04/10/2013 11:53	-----	0.0	0.1
129	04/10/2013 11:54	-----	0.0	0.1
130	04/10/2013 11:55	-----	0.0	0.1
131	04/10/2013 11:56	-----	0.0	0.1
132	04/10/2013 11:57	-----	0.0	0.1
133	04/10/2013 11:58	-----	0.0	0.1
134	04/10/2013 11:59	-----	0.0	0.1
135	04/10/2013 12:00	-----	0.0	0.1
136	04/10/2013 12:01	-----	0.0	0.0
137	04/10/2013 12:02	-----	0.0	0.1
138	04/10/2013 12:03	-----	0.0	0.0
139	04/10/2013 12:04	-----	0.0	0.1
140	04/10/2013 12:05	-----	0.0	0.0
141	04/10/2013 12:06	-----	0.0	0.0
142	04/10/2013 12:07	-----	0.0	0.1
143	04/10/2013 12:08	-----	0.0	0.1
144	04/10/2013 12:09	-----	0.0	0.0
145	04/10/2013 12:10	-----	0.0	0.0
146	04/10/2013 12:11	-----	0.0	0.1
147	04/10/2013 12:12	-----	0.0	0.0
148	04/10/2013 12:13	-----	0.0	0.0
149	04/10/2013 12:14	-----	0.0	0.0
150	04/10/2013 12:15	-----	0.0	0.0
151	04/10/2013 12:16	-----	0.0	0.0
152	04/10/2013 12:17	-----	0.0	0.0
153	04/10/2013 12:18	-----	0.0	0.0
154	04/10/2013 12:19	-----	0.0	0.0
155	04/10/2013 12:20	-----	0.0	0.0
156	04/10/2013 12:21	-----	0.0	0.0
157	04/10/2013 12:22	-----	0.0	0.0
158	04/10/2013 12:23	-----	0.0	0.0
159	04/10/2013 12:24	-----	0.0	0.0
160	04/10/2013 12:25	-----	0.0	0.0
161	04/10/2013 12:26	-----	0.0	0.0
162	04/10/2013 12:27	-----	0.0	0.1
163	04/10/2013 12:28	-----	0.0	0.1
164	04/10/2013 12:29	-----	0.0	0.1
165	04/10/2013 12:30	-----	0.0	0.1
166	04/10/2013 12:31	-----	0.0	0.0

pDR-1000 S/N: 00000
Tag Number: 06
Number of Logged Points: 238
Start time and date: 09:10:00 09-Apr
Elapsed time: 03:57:00
Logging period (sec) : 60
Calibration Factor (%) : 100
Max Display Concentration: 0.051
Time at maximum: 10:15
Max STEL Concentration : 0.000 mg/m3
Time at max STEL: 9:18 Apr 09
Overall Avg Conc: 0.000 mg/m3
Logged Data:

Point	Date	Time	Avg. (mg/m3)
1	09 Apr	9:19	0.000
2	09 Apr	9:20	0.001
3	09 Apr	9:21	0.001
4	09 Apr	9:22	0.003
5	09 Apr	9:23	0.002
6	09 Apr	9:24	0.000
7	09 Apr	9:25	0.003
8	09 Apr	9:26	0.002
9	09 Apr	9:27	0.001
10	09 Apr	9:28	0.000
11	09 Apr	9:29	0.000
12	09 Apr	9:30	0.000
13	09 Apr	9:31	0.000
14	09 Apr	9:32	0.000
15	09 Apr	9:33	0.001
16	09 Apr	9:34	0.002
17	09 Apr	9:35	0.004
18	09 Apr	9:36	0.000
19	09 Apr	9:37	0.000
20	09 Apr	9:38	0.000
21	09 Apr	9:39	0.000
22	09 Apr	9:40	0.001
23	09 Apr	9:41	0.001
24	09 Apr	9:42	0.003
25	09 Apr	9:43	0.002
26	09 Apr	9:44	0.000
27	09 Apr	9:45	0.003
28	09 Apr	9:46	0.002
29	09 Apr	9:47	0.001
30	09 Apr	9:48	0.000
31	09 Apr	9:49	0.000
32	09 Apr	9:50	0.000
33	09 Apr	9:51	0.000
34	09 Apr	9:52	0.000
35	09 Apr	9:53	0.001
36	09 Apr	9:54	0.002
37	09 Apr	9:55	0.004
38	09 Apr	9:56	0.000
39	09 Apr	9:57	0.000
40	09 Apr	9:58	0.000
41	09 Apr	9:59	0.000
42	09 Apr	10:00	0.001
43	09 Apr	10:01	0.001
44	09 Apr	10:02	0.003
45	09 Apr	10:03	0.002
46	09 Apr	10:04	0.000
47	09 Apr	10:05	0.003
48	09 Apr	10:06	0.002
49	09 Apr	10:07	0.001

50	09 Apr	10:08	0.000
51	09 Apr	10:09	0.000
52	09 Apr	10:10	0.000
53	09 Apr	10:11	0.000
54	09 Apr	10:12	0.000
55	09 Apr	10:13	0.001
56	09 Apr	10:14	0.002
57	09 Apr	10:15	0.004
58	09 Apr	10:16	0.000
59	09 Apr	10:17	0.000
60	09 Apr	10:18	0.000
61	09 Apr	10:19	0.000
62	09 Apr	10:20	0.001
63	09 Apr	10:21	0.001
64	09 Apr	10:22	0.003
65	09 Apr	10:23	0.002
66	09 Apr	10:24	0.000
67	09 Apr	10:25	0.003
68	09 Apr	10:26	0.002
69	09 Apr	10:27	0.001
70	09 Apr	10:28	0.000
71	09 Apr	10:29	0.000
72	09 Apr	10:30	0.000
73	09 Apr	10:31	0.000
74	09 Apr	10:32	0.000
75	09 Apr	10:33	0.001
76	09 Apr	10:34	0.002
77	09 Apr	10:35	0.004
78	09 Apr	10:36	0.000
79	09 Apr	10:37	0.000
80	09 Apr	10:38	0.000
81	09 Apr	10:39	0.000
82	09 Apr	10:40	0.001
83	09 Apr	10:41	0.001
84	09 Apr	10:42	0.003
85	09 Apr	10:43	0.002
86	09 Apr	10:44	0.000
87	09 Apr	10:45	0.003
88	09 Apr	10:46	0.002
89	09 Apr	10:47	0.001
90	09 Apr	10:48	0.000
91	09 Apr	10:49	0.000
92	09 Apr	10:50	0.000
93	09 Apr	10:51	0.000
94	09 Apr	10:52	0.000
95	09 Apr	10:53	0.001
96	09 Apr	10:54	0.002
97	09 Apr	10:55	0.004
98	09 Apr	10:56	0.000
99	09 Apr	10:57	0.000
100	09 Apr	10:58	0.000
101	09 Apr	10:59	0.002
102	09 Apr	11:00	0.003
103	09 Apr	11:01	0.000
104	09 Apr	11:02	0.001
105	09 Apr	11:03	0.001
106	09 Apr	11:04	0.002
107	09 Apr	11:05	0.000
108	09 Apr	11:06	0.000
109	09 Apr	11:07	0.003
110	09 Apr	11:08	0.002
111	09 Apr	11:09	0.000
112	09 Apr	11:10	0.004

113	09 Apr	11:11	0.002
114	09 Apr	11:12	0.002
115	09 Apr	11:13	0.000
116	09 Apr	11:14	0.000
117	09 Apr	11:15	0.003
118	09 Apr	11:16	0.002
119	09 Apr	11:17	0.000
120	09 Apr	11:18	0.004
121	09 Apr	11:19	0.002
122	09 Apr	11:20	0.002
123	09 Apr	11:21	0.000
124	09 Apr	11:22	0.000
125	09 Apr	11:23	0.003
126	09 Apr	11:24	0.002
127	09 Apr	11:25	0.000
128	09 Apr	11:26	0.004
129	09 Apr	11:27	0.002
130	09 Apr	11:28	0.002
131	09 Apr	11:29	0.000
132	09 Apr	11:30	0.000
133	09 Apr	11:31	0.003
134	09 Apr	11:32	0.002
135	09 Apr	11:33	0.000
136	09 Apr	11:34	0.004
137	09 Apr	11:35	0.002
138	09 Apr	11:36	0.001
139	09 Apr	11:37	0.000
140	09 Apr	11:38	0.000
141	09 Apr	11:39	0.000
142	09 Apr	11:40	0.000
143	09 Apr	11:41	0.000
144	09 Apr	11:42	0.001
145	09 Apr	11:43	0.002
146	09 Apr	11:44	0.004
147	09 Apr	11:45	0.000
148	09 Apr	11:46	0.000
149	09 Apr	11:47	0.000
150	09 Apr	11:48	0.000
151	09 Apr	11:49	0.001
152	09 Apr	11:50	0.001
153	09 Apr	11:51	0.003
154	09 Apr	11:52	0.001
155	09 Apr	11:53	0.000
156	09 Apr	11:54	0.000
157	09 Apr	11:55	0.000
158	09 Apr	11:56	0.000
159	09 Apr	11:57	0.000
160	09 Apr	11:58	0.001
161	09 Apr	11:59	0.002
162	09 Apr	12:00	0.004
163	09 Apr	12:01	0.000
164	09 Apr	12:02	0.000
165	09 Apr	12:03	0.000
166	09 Apr	12:04	0.000
167	09 Apr	12:05	0.001
168	09 Apr	12:06	0.001
169	09 Apr	12:07	0.003
170	09 Apr	12:08	0.001
171	09 Apr	12:09	0.000
172	09 Apr	12:10	0.000
173	09 Apr	12:11	0.000
174	09 Apr	12:12	0.000
175	09 Apr	12:13	0.000

176	09 Apr	12:14	0.001
177	09 Apr	12:15	0.002
178	09 Apr	12:16	0.004
179	09 Apr	12:17	0.000
180	09 Apr	12:18	0.000
181	09 Apr	12:19	0.000
182	09 Apr	12:20	0.000
183	09 Apr	12:21	0.001
184	09 Apr	12:22	0.001
185	09 Apr	12:23	0.003
186	09 Apr	12:24	0.002
187	09 Apr	12:25	0.002
188	09 Apr	12:26	0.000
189	09 Apr	12:27	0.000
190	09 Apr	12:28	0.003
191	09 Apr	12:29	0.002
192	09 Apr	12:30	0.000
193	09 Apr	12:31	0.004
194	09 Apr	12:32	0.002
195	09 Apr	12:33	0.001
196	09 Apr	12:34	0.000
197	09 Apr	12:35	0.000
198	09 Apr	12:36	0.000
199	09 Apr	12:37	0.000
200	09 Apr	12:38	0.000
201	09 Apr	12:39	0.001
202	09 Apr	12:40	0.002
203	09 Apr	12:41	0.004
204	09 Apr	12:42	0.000
205	09 Apr	12:43	0.000
206	09 Apr	12:44	0.000
207	09 Apr	12:45	0.000
208	09 Apr	12:46	0.001
209	09 Apr	12:47	0.001
210	09 Apr	12:48	0.003
211	09 Apr	12:49	0.001
212	09 Apr	12:50	0.000
213	09 Apr	12:51	0.000
214	09 Apr	12:52	0.000
215	09 Apr	12:53	0.000
216	09 Apr	12:54	0.000
217	09 Apr	12:55	0.001
218	09 Apr	12:56	0.002
219	09 Apr	12:57	0.004
220	09 Apr	12:58	0.000
221	09 Apr	12:59	0.000
222	09 Apr	1:00	0.000
223	09 Apr	1:01	0.003
224	09 Apr	1:02	0.002
225	09 Apr	1:03	0.000
226	09 Apr	1:04	0.004
227	09 Apr	1:05	0.002
228	09 Apr	1:06	0.001
229	09 Apr	1:07	0.000
230	09 Apr	1:08	0.000
231	09 Apr	1:09	0.000
232	09 Apr	1:10	0.000
233	09 Apr	1:11	0.000
234	09 Apr	1:12	0.001
235	09 Apr	1:13	0.002
236	09 Apr	1:14	0.004
237	09 Apr	1:15	0.000
238	09 Apr	1:16	0.000

Quick 4 Room

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 009059
User ID: 00000001 Site ID: 00000158
Data Points: 249 Gas Name: Isobutylene Sample Period: 60 sec
Last Calibration Time: 12/18/2012 14:56

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0

Line#	Date	Time	Min(ppm)	Avg(ppm)	Max(ppm)
1	04/09/2013	09:12	-----	0.0	0.0
2	04/09/2013	09:13	-----	0.0	0.0
3	04/09/2013	09:14	-----	0.0	0.0
4	04/09/2013	09:15	-----	0.0	0.0
5	04/09/2013	09:16	-----	0.0	0.0
6	04/09/2013	09:17	-----	0.0	0.0
7	04/09/2013	09:18	-----	0.0	0.0
8	04/09/2013	09:19	-----	0.0	0.0
9	04/09/2013	09:20	-----	0.0	0.0
10	04/09/2013	09:21	-----	0.0	0.0
11	04/09/2013	09:22	-----	0.0	0.0
12	04/09/2013	09:23	-----	0.0	0.0
13	04/09/2013	09:24	-----	0.0	0.0
14	04/09/2013	09:25	-----	0.0	0.0
15	04/09/2013	09:26	-----	0.0	0.0
16	04/09/2013	09:27	-----	0.0	0.0
17	04/09/2013	09:28	-----	0.0	0.0
18	04/09/2013	09:29	-----	0.0	0.0
19	04/09/2013	09:30	-----	0.0	0.0
20	04/09/2013	09:31	-----	0.0	0.0
21	04/09/2013	09:32	-----	0.0	0.0
22	04/09/2013	09:33	-----	0.0	0.0
23	04/09/2013	09:34	-----	0.0	0.0
24	04/09/2013	09:35	-----	0.0	0.0
25	04/09/2013	09:36	-----	0.0	0.0
26	04/09/2013	09:37	-----	0.0	0.0
27	04/09/2013	09:38	-----	0.0	0.0
28	04/09/2013	09:39	-----	0.0	0.0
29	04/09/2013	09:40	-----	0.0	0.0
30	04/09/2013	09:41	-----	0.0	0.0
31	04/09/2013	09:42	-----	0.0	0.0
32	04/09/2013	09:43	-----	0.0	0.0
33	04/09/2013	09:44	-----	0.0	0.0
34	04/09/2013	09:45	-----	0.0	0.0
35	04/09/2013	09:46	-----	0.0	0.0
36	04/09/2013	09:47	-----	0.0	0.0
37	04/09/2013	09:48	-----	0.0	0.0
38	04/09/2013	09:49	-----	0.0	0.0
39	04/09/2013	09:50	-----	0.0	0.0
40	04/09/2013	09:51	-----	0.0	0.0
41	04/09/2013	09:52	-----	0.0	0.0
42	04/09/2013	09:53	-----	0.0	0.2
43	04/09/2013	09:54	-----	0.0	0.0
44	04/09/2013	09:55	-----	0.0	0.0
45	04/09/2013	09:56	-----	0.0	0.0
46	04/09/2013	09:57	-----	0.0	0.0
47	04/09/2013	09:58	-----	0.0	0.0
48	04/09/2013	09:59	-----	0.0	0.0
49	04/09/2013	10:00	-----	0.0	0.0
50	04/09/2013	10:01	-----	0.0	0.0
51	04/09/2013	10:02	-----	0.0	0.0
52	04/09/2013	10:03	-----	0.0	0.0
53	04/09/2013	10:04	-----	0.0	0.0
54	04/09/2013	10:05	-----	0.0	0.0
55	04/09/2013	10:06	-----	0.0	0.0
56	04/09/2013	10:07	-----	0.0	0.0
57	04/09/2013	10:08	-----	0.0	0.0
58	04/09/2013	10:09	-----	0.0	0.0

59	04/09/2013 10:10	-----	0.0	0.0
60	04/09/2013 10:11	-----	0.0	0.0
61	04/09/2013 10:12	-----	0.0	0.0
62	04/09/2013 10:13	-----	0.0	0.0
63	04/09/2013 10:14	-----	0.0	0.0
64	04/09/2013 10:15	-----	0.0	0.0
65	04/09/2013 10:16	-----	0.0	0.0
66	04/09/2013 10:17	-----	0.0	0.0
67	04/09/2013 10:18	-----	0.0	0.0
68	04/09/2013 10:19	-----	0.0	0.0
69	04/09/2013 10:20	-----	0.0	0.0
70	04/09/2013 10:21	-----	0.0	0.0
71	04/09/2013 10:22	-----	0.0	0.0
72	04/09/2013 10:23	-----	0.0	0.0
73	04/09/2013 10:24	-----	0.0	0.0
74	04/09/2013 10:25	-----	0.0	0.0
75	04/09/2013 10:26	-----	0.0	0.0
76	04/09/2013 10:27	-----	0.0	0.0
77	04/09/2013 10:28	-----	0.0	0.0
78	04/09/2013 10:29	-----	0.0	0.0
79	04/09/2013 10:30	-----	0.0	0.0
80	04/09/2013 10:31	-----	0.0	0.0
81	04/09/2013 10:32	-----	0.0	0.0
82	04/09/2013 10:33	-----	0.0	0.0
83	04/09/2013 10:34	-----	0.0	0.0
84	04/09/2013 10:35	-----	0.0	0.0
85	04/09/2013 10:36	-----	0.0	0.0
86	04/09/2013 10:37	-----	0.0	0.0
87	04/09/2013 10:38	-----	0.0	0.0
88	04/09/2013 10:39	-----	0.0	0.0
89	04/09/2013 10:40	-----	0.0	0.0
90	04/09/2013 10:41	-----	0.0	0.0
91	04/09/2013 10:42	-----	0.0	0.0
92	04/09/2013 10:43	-----	0.0	0.0
93	04/09/2013 10:44	-----	0.0	0.0
94	04/09/2013 10:45	-----	0.0	0.0
95	04/09/2013 10:46	-----	0.0	0.0
96	04/09/2013 10:47	-----	0.0	0.0
97	04/09/2013 10:48	-----	0.0	0.0
98	04/09/2013 10:49	-----	0.0	0.0
99	04/09/2013 10:50	-----	0.0	0.0
100	04/09/2013 10:51	-----	0.0	0.0
101	04/09/2013 10:52	-----	0.0	0.0
102	04/09/2013 10:53	-----	0.0	0.0
103	04/09/2013 10:54	-----	0.0	0.0
104	04/09/2013 10:55	-----	0.0	0.0
105	04/09/2013 10:56	-----	0.0	0.0
106	04/09/2013 10:57	-----	0.0	0.0
107	04/09/2013 10:58	-----	0.0	0.0
108	04/09/2013 10:59	-----	0.0	0.0
109	04/09/2013 11:00	-----	0.0	0.0
110	04/09/2013 11:01	-----	0.0	0.0
111	04/09/2013 11:02	-----	0.0	0.0
112	04/09/2013 11:03	-----	0.0	0.0
113	04/09/2013 11:04	-----	0.0	0.0
114	04/09/2013 11:05	-----	0.0	0.0
115	04/09/2013 11:06	-----	0.0	0.0
116	04/09/2013 11:07	-----	0.0	0.0
117	04/09/2013 11:08	-----	0.0	0.0
118	04/09/2013 11:09	-----	0.0	0.0
119	04/09/2013 11:10	-----	0.0	0.0
120	04/09/2013 11:11	-----	0.0	0.0
121	04/09/2013 11:12	-----	0.0	0.0
122	04/09/2013 11:13	-----	0.0	0.0
123	04/09/2013 11:14	-----	0.0	0.0
124	04/09/2013 11:15	-----	0.0	0.0
125	04/09/2013 11:16	-----	0.0	0.0
126	04/09/2013 11:17	-----	0.0	0.0
127	04/09/2013 11:18	-----	0.0	0.0

128	04/09/2013 11:19	-----	0.0	0.0
129	04/09/2013 11:20	-----	0.0	0.0
130	04/09/2013 11:21	-----	0.0	0.0
131	04/09/2013 11:22	-----	0.0	0.0
132	04/09/2013 11:23	-----	0.0	0.0
133	04/09/2013 11:24	-----	0.0	0.0
134	04/09/2013 11:25	-----	0.0	0.0
135	04/09/2013 11:26	-----	0.0	0.5
136	04/09/2013 11:27	-----	0.0	0.0
137	04/09/2013 11:28	-----	0.0	0.0
138	04/09/2013 11:29	-----	0.1	2.1
139	04/09/2013 11:30	-----	0.0	0.0
140	04/09/2013 11:31	-----	0.0	0.0
141	04/09/2013 11:32	-----	0.0	0.0
142	04/09/2013 11:33	-----	0.0	0.0
143	04/09/2013 11:34	-----	0.0	0.0
144	04/09/2013 11:35	-----	0.0	0.0
145	04/09/2013 11:36	-----	0.0	0.0
146	04/09/2013 11:37	-----	0.0	0.0
147	04/09/2013 11:38	-----	0.0	0.0
148	04/09/2013 11:39	-----	0.0	0.0
149	04/09/2013 11:40	-----	0.0	0.0
150	04/09/2013 11:41	-----	0.0	0.0
151	04/09/2013 11:42	-----	0.0	0.0
152	04/09/2013 11:43	-----	0.0	0.0
153	04/09/2013 11:44	-----	0.0	0.0
154	04/09/2013 11:45	-----	0.0	0.0
155	04/09/2013 11:46	-----	0.0	0.0
156	04/09/2013 11:47	-----	0.0	0.0
157	04/09/2013 11:48	-----	0.0	0.0
158	04/09/2013 11:49	-----	0.0	0.0
159	04/09/2013 11:50	-----	0.0	0.0
160	04/09/2013 11:51	-----	0.0	0.0
161	04/09/2013 11:52	-----	0.0	0.0
162	04/09/2013 11:53	-----	0.0	0.0
163	04/09/2013 11:54	-----	0.0	0.0
164	04/09/2013 11:55	-----	0.0	2.2
165	04/09/2013 11:56	-----	0.0	0.0
166	04/09/2013 11:57	-----	0.0	0.0
167	04/09/2013 11:58	-----	0.0	0.0
168	04/09/2013 11:59	-----	0.0	0.0
169	04/09/2013 12:00	-----	0.0	0.0
170	04/09/2013 12:01	-----	0.0	0.0
171	04/09/2013 12:02	-----	0.0	0.0
172	04/09/2013 12:03	-----	0.0	0.0
173	04/09/2013 12:04	-----	0.0	0.0
174	04/09/2013 12:05	-----	0.0	0.0
175	04/09/2013 12:06	-----	0.0	0.0
176	04/09/2013 12:07	-----	0.0	0.0
177	04/09/2013 12:08	-----	0.0	0.0
178	04/09/2013 12:09	-----	0.0	0.0
179	04/09/2013 12:10	-----	0.0	0.0
180	04/09/2013 12:11	-----	0.0	0.0
181	04/09/2013 12:12	-----	0.0	0.0
182	04/09/2013 12:13	-----	0.0	1.4
183	04/09/2013 12:14	-----	0.0	0.0
184	04/09/2013 12:15	-----	0.0	0.0
185	04/09/2013 12:16	-----	0.0	0.0
186	04/09/2013 12:17	-----	0.0	0.0
187	04/09/2013 12:18	-----	0.0	0.0
188	04/09/2013 12:19	-----	0.0	0.0
189	04/09/2013 12:20	-----	0.0	0.0
190	04/09/2013 12:21	-----	0.0	0.0
191	04/09/2013 12:22	-----	0.0	0.0
192	04/09/2013 12:23	-----	0.0	0.0
193	04/09/2013 12:24	-----	0.0	0.5
194	04/09/2013 12:25	-----	0.0	0.0
195	04/09/2013 12:26	-----	0.0	0.0
196	04/09/2013 12:27	-----	0.0	0.1

197	04/09/2013 12:28	-----	0.0	0.4
198	04/09/2013 12:29	-----	0.0	0.0
199	04/09/2013 12:30	-----	0.0	0.0
200	04/09/2013 12:31	-----	0.0	0.0
201	04/09/2013 12:32	-----	0.0	0.0
202	04/09/2013 12:33	-----	0.0	0.0
203	04/09/2013 12:34	-----	0.0	0.0
204	04/09/2013 12:35	-----	0.0	0.0
205	04/09/2013 12:36	-----	0.0	0.0
206	04/09/2013 12:37	-----	0.0	0.0
207	04/09/2013 12:38	-----	0.0	0.0
208	04/09/2013 12:39	-----	0.0	0.0
209	04/09/2013 12:40	-----	0.0	0.0
210	04/09/2013 12:41	-----	0.0	0.0
211	04/09/2013 12:42	-----	0.0	0.0
212	04/09/2013 12:43	-----	0.0	0.0
213	04/09/2013 12:44	-----	0.0	0.0
214	04/09/2013 12:45	-----	0.0	0.0
215	04/09/2013 12:46	-----	0.0	0.0
216	04/09/2013 12:47	-----	0.0	0.0
217	04/09/2013 12:48	-----	0.0	0.0
218	04/09/2013 12:49	-----	0.0	0.0
219	04/09/2013 12:50	-----	0.0	0.0
220	04/09/2013 12:51	-----	0.0	0.0
221	04/09/2013 12:52	-----	0.0	0.0
222	04/09/2013 12:53	-----	0.0	0.0
223	04/09/2013 12:54	-----	0.0	0.0
224	04/09/2013 12:55	-----	0.0	0.0
225	04/09/2013 12:56	-----	0.0	0.0
226	04/09/2013 12:57	-----	0.0	0.0
227	04/09/2013 12:58	-----	0.0	0.0
228	04/09/2013 12:59	-----	0.0	0.0
229	04/09/2013 13:00	-----	0.0	0.0
230	04/09/2013 13:01	-----	0.0	0.0
231	04/09/2013 13:02	-----	0.0	0.0
232	04/09/2013 13:03	-----	0.0	0.0
233	04/09/2013 13:04	-----	0.0	0.0
234	04/09/2013 13:05	-----	0.0	0.0
235	04/09/2013 13:06	-----	0.0	0.0
236	04/09/2013 13:07	-----	0.0	0.0
237	04/09/2013 13:08	-----	0.0	0.0
238	04/09/2013 13:09	-----	0.0	0.0
239	04/09/2013 13:10	-----	0.0	0.1
240	04/09/2013 13:11	-----	0.0	0.1
241	04/09/2013 13:12	-----	0.0	0.1
242	04/09/2013 13:13	-----	0.0	0.1
243	04/09/2013 13:14	-----	0.0	0.2
244	04/09/2013 13:15	-----	0.0	0.1
245	04/09/2013 13:16	-----	0.0	0.1
246	04/09/2013 13:17	-----	0.0	0.1
247	04/09/2013 13:18	-----	0.0	0.1
248	04/09/2013 13:19	-----	0.0	0.1
249	04/09/2013 13:20	-----	0.0	0.1

Attachment-F

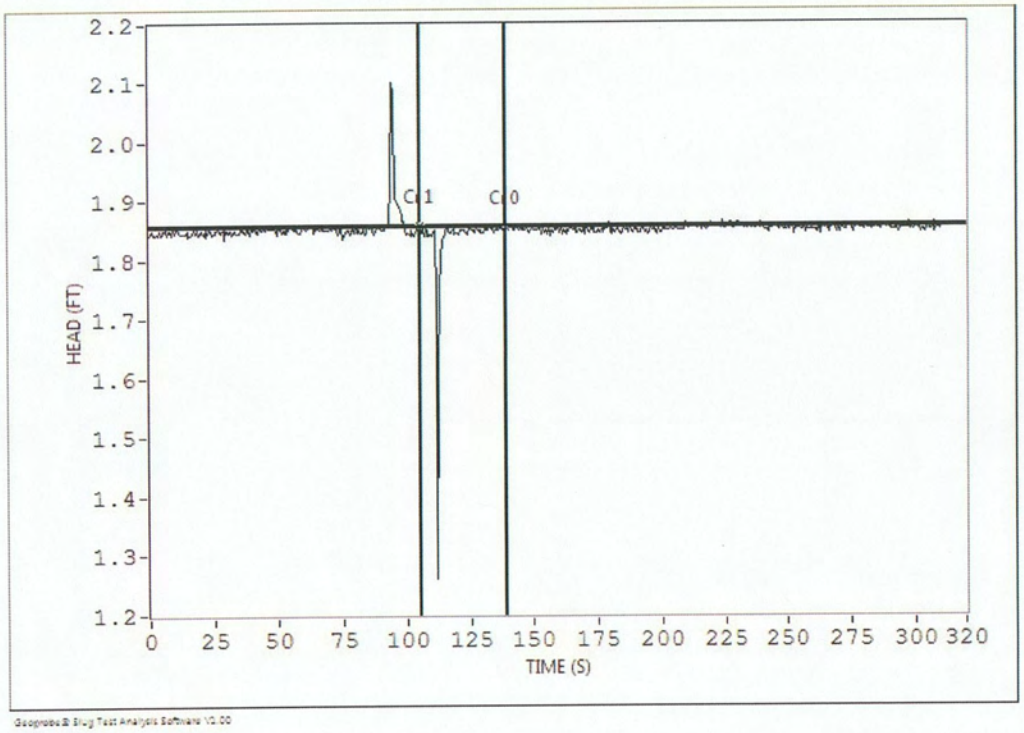
Slug Test Data

INF File Information
Printed: Tuesday, December 10, 2013 13:04:46

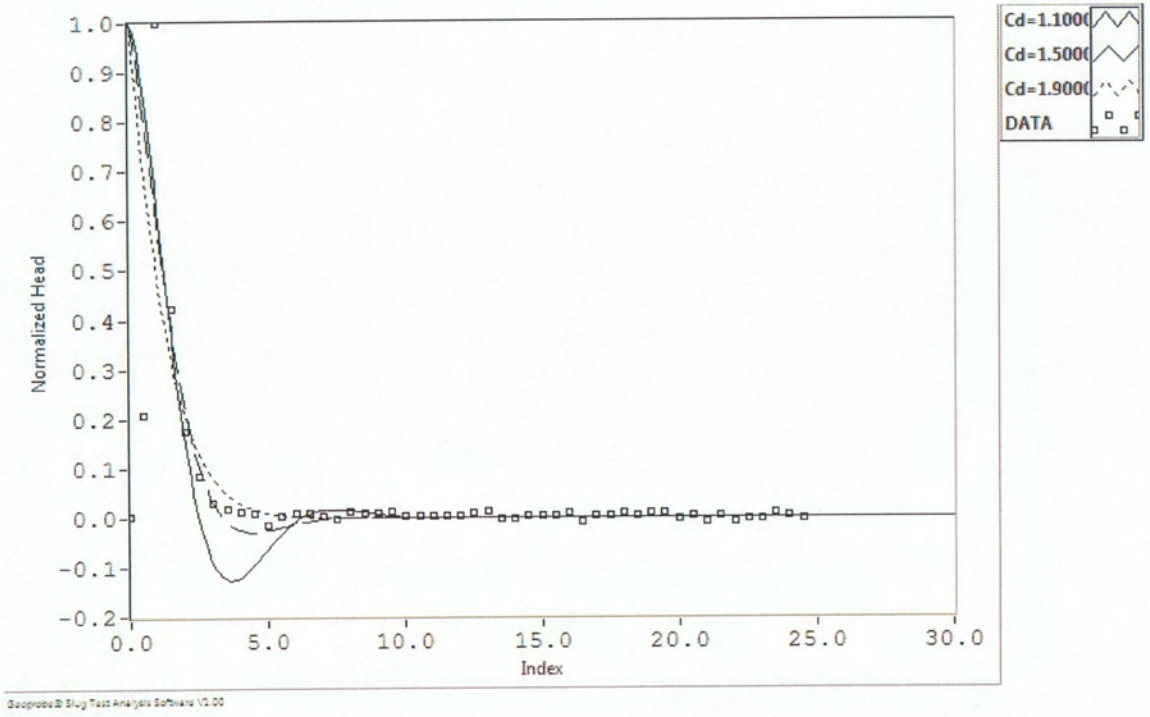
SITE INFORMATION -- SLUG TEST REV. 1.0

START DATE: 10/2/2013
START TIME: 12:41 PM
DATA FILE NAME: C:\DIRIM95\LOGFILES\QANDC2.DAT
DATA FILE FORMAT:
TIME(S) TRANSDUCER(V) HEAD(FT) HEAD(MM) PRESSURE(MILLIBAR)
UNITS: ENGLISH
TRANSDUCER NUMBER: 12345 10 PSI (690 MILLIBAR)
END DATE: 10/2/2013
END TIME: 12:50 PM

Log Data Set
File Name: C:\dirim95\logfiles\QandC2.dat Printed: Tuesday, December 10, 2013 13:04:46



Interval Data Set
Interval: 111.000 Sec to 136.500 Sec
File Name: Log Name: C:\dirim95\logfiles\QandC2.dat
Printed: Tuesday, December 10, 2013 13:04:46



Log | Interval | INF | Parameter | Documentation/Reports

Required in Red

Well Construction Parameters

Le (ft)	4.000	rt (in)	0.113
Ls (ft)	3.850	SWL (ft)	10.000
Lw (ft)	8.000	TD (ft)	18.000
Rs (in)	0.500	H (ft)	50.000
Rb (in)	0.750	Ho (in)	10.000
Rc (in)	0.625		

Well: Partially Penetrating

Site Data

Site Name:	Former Quick and Clean
Project #:	test 2
Well #:	temp well
Test #:	2
Location:	Cedarhurst, NY
Date:	10/2/13
Field Tech:	JGH
Analyst:	JGH

Log C:\d

Inter C:\c

11

Analysis

Response: Oscillatory

Configuration: Unconfined

Analysis Algorithm: Bouwer&Rice

Baseline (ft): 1.851

t*d/t*: 1.000

Cd: 1.500

K-Correction small dia wells: 1.003

Partially Penetrating Parameters

Where Le/Rb = 64.000

A = 3.428

B = 0.556

Fully Penetrating Parameter

C = -1.000

Log Response Parameters

D Coeff: -1.000

R-squared: -1.00E+0

Amplitude: -1.000

To: -1.000

Calculated K

K (FT/Day): 56.302

K (cm/Sec): 1.986E-2

Well: Partially Penetrating

Docum

View Parame

View Param

Print This Page

Attachment-G

RIR Validated Groundwater Data

L.A.B. Validation Corp, 14 West Point Drive, East Northport, NY 11731

DATA USABILITY SUMMARY REPORT – DUSR
DATA VALIDATION SUMMARY

ORGANIC ANALYSIS

TARGET COMPOUND LIST (TCL) VOLATILES BY GC/MS

For Groundwater Samples Collected
April 09, 2013 and April 10, 2013
From 380 Rockaway Turnpike, Cedarhurst, NY
Former Quick and Clean
Collected by Berninger Environmental, Inc.

SAMPLE DELIVERY GROUP NUMBER:
BER121
BY H2M Labs, Inc. (ELAP #10478)

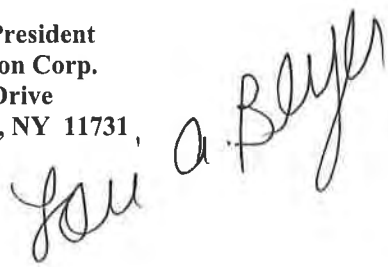
SUBMITTED TO:

Mr. Walter Berninger/President
Berninger Environmental
90-B Knickerbocker Avenue
Bohemia, NY 11716

May 05, 2013

PREPARED BY:

Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731



(516) 523-7891; email LABValidation@aol.com

Former Quick and Clean, 380 Rockaway Turnpike, Cedarhurst, New York- Groundwater Samples;
April 2013 Sampling Event
Data Usability Summary Report (Data Validation): TCL Volatiles

Table of Contents:

Introduction:
A validation was performed on groundwater samples and the associated quality control samples for organic analysis for samples collected under chain of custody documentation by Berninger Environmental Inc. and submitted to H2M Labs, Inc. for subsequent analysis. This report contains the laboratory and validation results for the field samples itemized below. The groundwater samples were collected on April 09, 2013 and April 10, 2013.

The samples were analyzed by H2M Labs, Inc., utilizing SW846 and submitted under NYSDEC ASP (2000) Category B equivalent deliverable requirements for the associated analytical methodologies employed. The analytical testing consisted of the Target Compound/Analyte Lists for Volatile Organics.

The data was evaluated in accordance with EPA Region II National Functional Guidelines for Organic Data Review and EPA Region II SOPs for 8260 and also in conjunction with the analytical methodologies for which the samples were analyzed, where applicable and relevant.

The data validation report pertains to the following samples:

Sample Identification	Laboratory Identification	Sample Matrix	Date Collected	Date Received
GW-0113 @ 15-19'	1304656-001	Groundwater	04/09/13	04/10/13
GW-0113 @ 30-34' (plus MS/MSD)	1304656-002	Groundwater	04/09/13	04/10/13
GW-0113 @ 40-44'	1304656-003	Groundwater	04/09/13	04/10/13
GW-0113 @ 50-54'	1304656-004	Groundwater	04/09/13	04/10/13
GW-0113 @60-64	1304656-005	Groundwater	04/09/13	04/10/13
GW-0113 @ 70-74'	1304656-006	Groundwater	04/09/13	04/10/13
GW-0213 10-12'	1304656-007	Groundwater	04/09/13	04/10/13
GW-0213 @20-22'	1304656-008	Groundwater	04/09/13	04/10/13
GW-0213 @30-32'	1304656-009	Groundwater	04/09/13	04/10/13
GW-0313 @ 11-13'	1304656-010	Groundwater	04/09/13	04/10/13
GW-0313 @20-22'	1304656-011	Groundwater	04/10/13	04/10/13
GW-0313 @30-32'	1304656-012	Groundwater	04/10/13	04/10/13
GW-0412 @ 10-12'	1304656-013	Groundwater	04/10/13	04/10/13
GW-0413 @20-22'	1304656-014	Groundwater	04/10/13	04/10/13
GW-0413 @30-32'	1304656-015	Groundwater	04/10/13	04/10/13
Trip Blank	1304656-016	Aqueous	04/10/13	04/10/13
Field Blank	1304656-017	Aqueous	04/10/13	04/10/13
Storage Blank	1304656-018	Aqueous	04/10/13	04/10/13

Data Qualifier Definitions:

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate quantity.

Sample Receipt:
The Chain of Custody documents indicate that the samples were hand delivered by Berninger Environmental field sampling personnel and received at H2M Labs on 04/10/13 upon completion of the sampling event. Sample login notes were generated. The cooler temperature for all samples were recorded upon receipt at H2M Labs and determined to be acceptable (<6.0 degrees C). The actual temperature is recorded on the chain of custody documents provided in Appendix B of this report.

Several samples (both vials) were noted upon receipt to contain small air bubbles. Specifically, GW-0113 40-44', GW0113 @ 60-64', GW-0113 @ 70-74', GW-0213 @ 30-32', GW-0313 @20-22'and GW-0313 @ 30-32'. Based on professional judgment, no qualifications to the data were made.

No unresolved problems and/or discrepancies were noted, consequently, the integrity of the samples has been assumed to be good.

The data summary tables included in Appendix A includes all usable (qualified) and unusable (rejected) results for the samples identified above. These tables summarize the detailed narrative section of the report.

NOTE:
L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

1.0 Target Analyte List (TCL) Volatile Organics by GC/MS SW846 Method 8260

The following method criteria were reviewed: holding times, SMCs, MS, MSD, LCS, Laboratory Spiked Blanks, Method Blanks, Tunes, Calibrations, Internal Standards, Target Component Identification, Quantitation, Reported Quantitation Limits and Overall System Performance. The Volatile results were considered to be valid and useable as noted within the following as noted within the following text:

1.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "UJ", or unusable, "R", if the holding times are grossly exceeded.

Samples pertaining to this SDG were performed within the Method required holding times as well as the technical holding times for data validation of 14 days from collection to analysis and diluted reanalysis. No data validation qualifiers were required based upon holding time.

1.2 System Monitoring Compound (Surrogate) Recovery

All samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the measure of surrogate concentrations is outside contract specifications, qualifications are required to be applied to associated samples and analytes.

Surrogate recoveries (%R) were found to be within acceptable limits for all three (3) surrogate compounds for all analyses pertaining to this SDG with the exception of 1,2-dichloroethane-d4 which recovered high in initial analysis of 0213 @ 20-22' (122%), 0213 @30-32' (115%), 0213 @ 10-12' (119%) and 0413 @ 30-32' (118%).

These samples were reanalyzed at dilutions due to high target compound concentrations. Diluted reanalysis and therefore reduced matrix interferences acceptable recovery values were observed for 1,20dichloroethane-d4.

No qualifications were required to 0213 @ 10-12' since 1,2-dichloroethene (total) concentration was obtained from diluted reanalysis since in the primary run, this compound was detected above the instruments linear calibration range.

The laboratory reported concentrations for 1,2-dichloroethene (total) must be considered estimated, "J" in samples 0213 @ 20-22', 0213 @ 30-32' and 0413 @ 30-32'.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

Groundwater MS/MSD analysis was conducted on 0113 @ 30-34' as requested by Berninger field sampling personnel. All spike recoveries and RPD values fell within in house established QC ranges.

1.4 Laboratory Control Sample/Fortified Blank Spikes

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

LCS/Fortified Blank Spike recovery values fell within acceptance limits.

1.5 Blank Contamination

Quality assurance (QA) blanks; i.e. method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

For:	Flag Sample Result with a "U" when:	Report CRQL & Qualify "U" when:	No Qualification is Needed when:
Methylene Chloride, Acetone, Toluene & 2-Butanone	Sample Conc. Is >CRQL, but </=10x blank value	Sample Conc. is <CRQL and </=10x blank value	Sample Conc. is >CRQL and >10x blank value
Other Contaminants	Sample Conc. Is >CRQL, but </=5x blank value	Sample Conc. Is <CRQL and </=5x blank value	Sample Conc. is >CRQL and >5x blank value

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) **Method Blank Contamination:**

No target/non target analytes were detected in the method blanks associated with sample analysis.

B) **Field Blank Contamination:**

Target/non-target analytes were not detected in the Field Blank applicable to 04/09/13-04/10/13 sampling event.

C) **Trip Blank Contamination:**

Target/non-target analytes were not detected in the Trip Blank applicable to 04/09/13-04/10/13 sampling event.

D) **Storage Blanks**

Methylene Chloride (21 ug/L) and Acetone (6 ug/L) were detected in the storage blank.

Sample results were evaluated based on the above criteria and the laboratory reported presence of Methylene Chloride was negated in 0413 @ 10-12' and -413 @ 20-22'.

Acetone was negated in samples 0113 @ 15-19', 0113 @ 30-34', 0113 @ 40-44', 0113 @ 50-54', 0113 @ 60-64', 0113 @ 70-74', 0213 @ 10-12', 0213 @ 20-22', 0213 @ 30-32', 0313 @ 11'13', 0313 @ 30-32', 0413 @ 10-12' and 0413 @ 30-32'.

Acetone could not be negated in 0313 @ 20-22' (110 ug/L) nor in 0413 @ 20-22' (65 ug/L). Since levels up to 60 ug/L can be attributed to laboratory storage contamination, the reported results for these samples must be considered estimated and also suspect and therefore has been qualified, "JN" to denote that presumptive evidence of the presence of this compound in these sampling points.

1.6 GC/MS Instrument Performance Check

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency for Bromofluorobenzene (BFB) for all analyses conducted for this SDG.

1.7 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence.

The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be >/= 0.05 in both initial and continuing calibrations. A value <0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound in the corresponding samples will be rejected, "R".

All the response factors for the target analytes reported were found to be within acceptable limits (>/=0.05), for the initial and continuing calibrations for all reported TCL analytes.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be <30% and %D must be <25%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is >30% and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 30% then positive results are qualified, "J". In cases

where removal of either the low or high point restores the linearity, then only low or high level results will be qualified, "J" in the portion of the curve where non linearity exists.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (30%) for all reported compounds with the exception of Bromoform (33.2%). Non-detects for all samples must be considered estimated, "UJ" for Bromoform.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits (25%) for all reported compounds with the following exceptions:

CCAL 04/11/13 Instrument HP5973-3; Acetone 27.8%; this analyte was negated due to storage blank contamination, however, the reported validated non-detected concentrations must be considered estimated, "UJ" in Storage Blank, Field Blank, Trip Blank, 0113 @ 15-19', 0113 @ 60-64', 0213 @ 20-22', 0213 @ 30-32', 0313 @ 11-13', 0313 @ 20-22', 0413 @ 10-12', 0413 @ 20-22', 0213 @ 10-12' and 0313 @ 30-32'.

CCAL 04/12/13 Instrument HP5973-3; Bromoform 25.3% (results were previously qualified due to ICAL) and 2-Hexanone 33.5%. Non-detects for 2-Hexanone must be considered estimated in samples 0113 @ 50-54', 0113 @ 30-34', 0113 @ 40-44', 0413 @ 30-32' and 0113 @ 70-74'.

1.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/-30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

All samples were spiked with the internal standards Bromochloromethane, 1,4-Difluorobenzene and Chlorobenzene-d5 prior to sample analysis. The area responses and retention time of each internal standard met QC criteria in all samples associated with this SDG.

1.9 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. Generally for water samples an acceptable RPD is 10%.

Field Duplicate analysis was not collected as part of this sampling event.

1.10 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within =/- 0.06RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS spectra met the qualitative criteria for identification. All retention times were within required specifications.

1.10 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is considered to be acceptable. Correct internal standards per SW846, response factors were used to calculate final concentrations.

As required, the laboratory reported "J" values between the limit of quantitation (LOQ) and limit of detection (LOD). This is consistent with common laboratory practices and a requirement of the National Environmental Laboratory Approval Program (NELAP).

Tentatively identified compounds were detected field samples. The total TIC concentration is presented in the spreadsheets in Appendix A. Non target constituents primarily consist of aromatic hydrocarbons and aromatic substituted benzene compounds.

All groundwater samples were initially analyzed undiluted at 5mls. Based on Tetrachloroethene, 1,2-Dichloroethene (total), Toluene, Ethylbenzene and/or Xylene concentrations diluted reanalyses were required for 0113 @ 15-19' (1:20), 0113 @70-74' (1:3), 0213 @ 10-12' (1:40), 0213 @ 20-22' (1:10), 0213 @ 30-32' (1:2), 0313 @ 11-13' (1:5), 0313 @ 20-22' (1:40), 0313 @ 30-32' (1:5), 0413 @ 20-22' (1:10) and 0413 @ 30-32' (1:4) since the raw concentrations were determined to exceed the instruments linear calibration range.

Concentrations must be obtained from diluted reanalysis as reported by the laboratory and presented in the summary spreadsheets and Form I's in Appendix A.

Acceptable dilutions were performed such that raw concentrations were within the upper half of the instruments linear calibration range.

The end user should proceed with caution when making decisions based on Acetone, Methylene Chloride, and 2-Butanone concentrations since these compounds are common laboratory contaminants.

1.11 Overall System Performance

Good resolution and chromatographic performance were observed. Raw data was reviewed and confirmed that no carryover exists for any analysis conducted with this data set.

Reviewer's Signature Lori A Beyer **Date** 05/06/13

Appendix A
Data Summary Tables and Form I's
With Qualifications

VOLATILES BY SW846 METHOD 8260

BERNINGER ENVIRONMENTAL
Project: FORMER QUICK AND CLEAN
Laboratory: HZM; BER121

	Sample Identification:		0113 @ 15-15'	0113 @ 30-34'	0113 @ 40-44'	0113 @ 50-54'	0113 @ 60-64'	0113 @ 70-74'	0213 @ 10-12'
	Laboratory ID:		1304656-001A	1304656-002A	1304656-003A	1304656-004A	1304656-005A	1304656-006A	1304656-007A
	Sampling Date:		4/8/2013	4/9/2013	4/9/2013	4/9/2013	4/9/2013	4/8/2013	4/9/2013
Cas #	Analyte	Units:							
74-87-3	Chloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
74-83-9	Bromomethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-01-4	Vinyl Chloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-00-3	Chloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-09-2	Methylene Chloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
67-64-1	Acetone	ug/L	39 UJ	5 U	5 U	5 U	5 UJ	28 U	26 UJ
75-15-0	Carbon disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-35-4	1,1-Dichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	3 J
75-34-3	1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
540-59-0	1,2-Dichloroethene (total)	ug/L	240	2 J	2 J	1 J	3 J	35	2400
67-66-3	Chloroform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
107-06-2	1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
78-93-3	2-Butanone	ug/L	39	5 U	5 U	5 U	5 U	10	9
71-55-6	1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
56-23-5	Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-27-4	Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
78-87-5	1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
10061-01-5	cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
79-01-6	Trichloroethene	ug/L	8	5 U	5 U	5 U	5 U	5	3 J
124-48-1	Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
79-00-5	1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
71-43-2	Benzene	ug/L	1 J	5 U	5 U	5 U	5 U	4 J	24
10061-02-6	trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-25-2	Bromoform	ug/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
108-10-1	4-Methyl-2-Pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
591-78-6	2-Hexanone	ug/L	5 U	5 UJ	5 UJ	5 UJ	5 U	5 UJ	5 U
127-18-4	Tetrachloroethene	ug/L	650	58	20	17	84	350	10
79-34-5	1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
108-88-3	Toluene	ug/L	200	4 J	3 J	2 J	10	82	4900
108-90-7	Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	ug/L	590	1 J	5 U	5 U	2 J	12	2200
100-42-5	Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1330-20-7	Xylene (total)	ug/L	6500	10	5	1 J	12	88	17000
	Total Tentatively Identified Compounds (TICs)	ug/L	5560 J	16 J	30 J	6 J	73 J	196 J	5090 J

VOLATILES BY SW846 METHOD 8260

BERNINGER ENVIRONMENTAL
Project: FORMER QUICK AND CLEAN
Laboratory: HZM; BER121

	Sample Identification:		0213 @ 20-22'	0213 @ 30-32'	0313 @ 11-13'	0313 @ 20-22'	0313 @ 30-32'	0413 @ 10-12'	0413 @ 20-22'
	Laboratory ID:		1304656-008A	1304656-009A	1304656-010A	1304656-011A	1304656-012A	1304656-013A	1304656-014A
	Sampling Date:		4/9/2013	4/9/2013	4/9/2013	4/10/2013	4/10/2013	4/10/2013	4/10/2013
Cas #	Analyte	Units:							
74-87-3	Chloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
74-83-9	Bromomethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-01-4	Vinyl Chloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-00-3	Chloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-09-2	Methylene Chloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
67-64-1	Acetone	ug/L	10 UJ	6 UJ	20 UJ	110 JN	15 UJ	5 UJ	85 JN
75-15-0	Carbon disulfide	ug/L	5 U	4 J	5 U	1 J	2 J	5 U	5 U
75-35-4	1,1-Dichloroethene	ug/L	5 U	5 U	5 U	2 J	5 U	5 U	2 J
75-34-3	1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
540-59-0	1,2-Dichloroethene (total)	ug/L	65 J	15 J	5 U	920	82	17	350
67-66-3	Chloroform	ug/L	5 U	5 U	8	2 J	5 U	5 U	4 J
107-06-2	1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
78-93-3	2-Butanone	ug/L	6	3 J	13	87	12	3 J	53
71-55-6	1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
56-23-5	Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-27-4	Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
78-87-5	1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
10061-01-5	cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
79-01-6	Trichloroethene	ug/L	5 U	5 U	5 U	4 J	5 U	3 J	1 J
124-48-1	Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
79-00-5	1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
71-43-2	Benzene	ug/L	2 J	5 U	5 U	18	2 J	5 U	14
10061-02-6	trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-25-2	Bromoform	ug/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
108-10-1	4-Methyl-2-Pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
591-78-6	2-Hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
127-18-4	Tetrachloroethene	ug/L	3 J	2 J	3 J	15	5	5	4 J
79-34-5	1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
108-88-3	Toluene	ug/L	580	120	150	5800	570	38	1000
108-90-7	Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	ug/L	810	130	170	1600	280	140	460
100-42-5	Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1330-20-7	Xylene (total)	ug/L	4500	700	1700	12000	1900	860	3000
	Total Tentatively Identified Compounds (TICs)	ug/L	4410 J	2140 J	3370 J	4240 J	2780 J	3960 J	2830 J

VOLATILES BY SW846 METHOD 8260

BERNINGER ENVIRONMENTAL
Project: FORMER QUICK AND CLEAN
Laboratory: H2M; BER121

			Sample Identification:	0412 @ 30-32'	Trip Blank	Field Blank	Storage Blank
			Laboratory ID:	1304656-015A	1304656-016A	1304656-017A	1304656-018A
			Sampling Date:	4/10/2013	4/10/2013	4/10/2013	4/10/2013
Cas #	Analyte	Units:					
74-87-3	Chloromethane	ug/L		5 U	5 U	5 U	5 U
74-83-9	Bromomethane	ug/L		5 U	5 U	5 U	5 U
75-01-4	Vinyl Chloride	ug/L		5 U	5 U	5 U	5 U
75-00-3	Chloroethane	ug/L		5 U	5 U	5 U	5 U
75-09-2	Methylene Chloride	ug/L		5 U	5 U	5 U	21
67-64-1	Acetone	ug/L		6 U	5 UJ	5 UJ	6 J
75-15-0	Carbon disulfide	ug/L		1 J	5 U	5 U	5 U
75-35-4	1,1-Dichloroethene	ug/L		5 U	5 U	5 U	5 U
75-34-3	1,1-Dichloroethane	ug/L		5 U	5 U	5 U	5 U
540-59-0	1,2-Dichloroethene (total)	ug/L		87 J	5 U	5 U	5 U
67-66-3	Chloroform	ug/L		2 J	5 U	5 U	5 U
107-06-2	1,2-Dichloroethane	ug/L		5 U	5 U	5 U	5 U
78-93-3	2-Butanone	ug/L		4 J	5 U	5 U	5 U
71-55-6	1,1,1-Trichloroethane	ug/L		5 U	5 U	5 U	5 U
56-23-5	Carbon Tetrachloride	ug/L		5 U	5 U	5 U	5 U
75-27-4	Bromodichloromethane	ug/L		5 U	5 U	5 U	5 U
78-87-5	1,2-Dichloropropane	ug/L		5 U	5 U	5 U	5 U
10061-01-5	cis-1,3-Dichloropropene	ug/L		5 U	5 U	5 U	5 U
79-01-6	Trichloroethene	ug/L		5 U	5 U	5 U	5 U
124-48-1	Dibromochloromethane	ug/L		5 U	5 U	5 U	5 U
79-00-5	1,1,2-Trichloroethane	ug/L		5 U	5 U	5 U	5 U
71-43-2	Benzene	ug/L		5 U	5 U	5 U	5 U
10061-02-6	trans-1,3-Dichloropropene	ug/L		4 J	5 U	5 U	5 U
75-25-2	Bromoform	ug/L		5 UJ	5 UJ	5 UJ	5 UJ
108-10-1	4-Methyl-2-Pentanone	ug/L		5 U	5 U	5 U	5 U
591-78-6	2-Hexanone	ug/L		5 UJ	5 U	5 U	5 U
127-18-4	Tetrachloroethene	ug/L		2 J	5 U	5 U	5 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/L		5 U	5 U	5 U	5 U
108-88-3	Toluene	ug/L		110	5 U	5 U	5 U
108-90-7	Chlorobenzene	ug/L		5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	ug/L		100	5 U	5 U	5 U
100-42-5	Styrene	ug/L		5 U	5 U	5 U	5 U
1330-20-7	Xylene (total)	ug/L		1000	5 U	5 U	5 U
	Total Tentatively Identified Compounds (TICs)	ug/L		1760 J	0	0	0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0113 @ 15-19'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No. _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-001A

Sample wt/vol: 5 (g/mL ML Lab File ID: 13\J9881.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13, 4/12/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00 a 20

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	39	UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	240 ~~270~~	~~E~~
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	39	
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	8	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	1	J
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	UJ
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	650 ~~730~~	~~E~~
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	200	
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	590 ~~640~~	~~E~~
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	6500 ~~2500~~	~~E~~

JTS 5/13

BER121 S19

1F

EPA SAMPLE NO.

0113 @ 15-19'

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\J9881.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

Number TICs found: 7 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		(DEL) Alkane: Branched (3.23)	3.23	490	J
2.		(DEL) Alkane: Branched (3.56)	3.56	370	J
3.		(DEL) Alkane: Cyclic	4.85	680	J
4.		c3 substituted benzene (11.06)	11.06	270	J
5.		c3 substituted benzene (11.16)	11.16	950	J
6.		c3 substituted benzene (11.25)	11.25	460	J
7.		c3 substituted benzene (11.45)	11.45	480	J
8.		c3 substituted benzene (11.63)	11.63	940	J
9.		c3 substituted benzene (12.04)	12.04	460	J
10.		c3 substituted benzene (12.23)	12.23	460	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0113 @ 30-34'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No. _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-002A

Sample wt/vol: 5 (g/mL ML Lab File ID: 13\J9911.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/12/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	J ~~2~~	~~U~~ U
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	2	J
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U J
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U J
127-18-4	Tetrachloroethene	55	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	4	J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	1	J
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	6	

BER121 S23

SAK 5/5/13

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0113 @ 30-34'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\J9911.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/12/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown alkene (1.26)	1.26	9	J
2.		unknown alkene (1.51)	1.51	6	J

BER121 S24

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0113 @ 40-44'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No. _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-003A

Sample wt/vol: 5 (g/mL ML Lab File ID: 13\J9914.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/12/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	5 → 4	J U
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	2	J
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U J
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U J
127-18-4	Tetrachloroethene	20	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	3	J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	

BER121 S25

5/5/13

1F

EPA SAMPLE NO.

0113 @ 40-44'

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\J9914.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/12/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown alkene (1.26)	1.26	18	J
2.		unknown alkene (1.51)	1.51	12	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0113 @ 50-54'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No. _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-004A

Sample wt/vol: 5 (g/mL ML Lab File ID: 13\J9901.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/12/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~2~~ J	~~J~~ U
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	1	J
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U J
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U J
127-18-4	Tetrachloroethene	17	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	2	J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	1	J

BER121 S27

5/5/13

1F

EPA SAMPLE NO.

0113 @ 50-54'

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\J9901.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/12/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

Number TICs found: 1 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown alkene	1.26	6	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0113 @ 60-64

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No. _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-005A

Sample wt/vol: 5 (g/mL ML Lab File ID: 13\J9883.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~3~~ 5	~~J~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	3	J
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U J
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	64	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	10	
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	2	J
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	12	

BER121 S29

5/5/13

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
0113 @ 60-64

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\J9883.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown alkene (1.26)	1.26	31	J
2.		unknown alkene (1.51)	1.51	22	J
3.		(DEL) Alkane: Branched	1.95	6	J
4.		(DEL) Alkane: Cyclic	2.15	6	J
5.		(DEL) Alkane: Straight-Chain	2.20	8	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0113 @ 70-74'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No. _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-006A

Sample wt/vol: 5 (g/mL ML Lab File ID: 13\J9916.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/12/13 , 4/18/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00 & 3

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	28	U
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	35	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	4	J
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U J
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U J
127-18-4	Tetrachloroethene	350 ~~320~~	~~E~~
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	82	
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	12	
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	68	

5/5/13

BER121 S31

1F

EPA SAMPLE NO.

0113 @ 70-74'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\J9916.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/12/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

Number TICs found: 6 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown alkene (1.26)	1.26	62	J
2.		unknown alkene (1.51)	1.51	45	J
3.		unknown alkene (1.67)	1.67	10	J
4.		(DEL) Alkane: Cyclic (2.15)	2.15	11	J
5.		(DEL) Alkane: Straight-Chain	2.19	8	J
6.		unknown alkene (2.22)	2.22	9	J
7.		(DEL) Alkane: Cyclic (3.87)	3.87	8	J
8.		(DEL) Alkane: Cyclic (4.85)	4.85	9	J
9.		c3 substituted benzene (11.15)	11.15	16	J
10.		c3 substituted benzene (11.62)	11.62	18	J

BER121 S32

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0213 @ 10-12'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No. _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-007A

Sample wt/vol: 5 (g/mL ML Lab File ID: 13\J9890.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13 , 4/12/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00 & 40

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	26	U J
75-35-4	1,1-Dichloroethene	3	J
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	2400 ~~1700~~	~~E~~
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	9	
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	3	J
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	24	
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U J
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	10	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	4900 ~~1200~~	~~E~~
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	2200 ~~1100~~	~~E~~
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	17000 ~~3000~~	~~E~~

BER121 S35

4/15/13

1F

EPA SAMPLE NO.

0213 @ 10-12'

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\J9890.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

Number TICs found: 9 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		c3 substituted benzene (11.06)	11.06	290	J
2.		c3 substituted benzene (11.17)	11.17	1100	EJ
3.		c3 substituted benzene (11.26)	11.26	520	J
4.		c3 substituted benzene (11.45)	11.45	520	J
5.		c3 substituted benzene (11.63)	11.63	930	J
6.		c3 substituted benzene (12.05)	12.05	540	J
7.		c3 substituted benzene (12.24)	12.24	570	J
8.		c4 substituted benzene (12.32)	12.32	340	J
9.		c4 substituted benzene (13.57)	13.57	280	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0213 @ 20-22'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No. _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-008A

Sample wt/vol: 5 (g/mL ML Lab File ID: 13\J9884.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13 , 4/12/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00 @ 10

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	10	U J
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	65	J
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	6	
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	J
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U J
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	3	J
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	580 ~~520~~	~~E~~
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	610 ~~570~~	~~E~~
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	4500 ~~2000~~	~~E~~

4/15/13

1F

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

0213 @ 20-22'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\J9884.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

Number TICs found: 8 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	(DEL) Alkane: Branched	3.23	250	J
2.	(DEL) Alkane: Cyclic	4.85	280	J
3.	c3 substituted benzene (11.16)	11.16	930	J
4.	c3 substituted benzene (11.25)	11.25	430	J
5.	c3 substituted benzene (11.45)	11.45	360	J
6.	c3 substituted benzene (11.63)	11.63	780	J
7.	c3 substituted benzene (12.04)	12.04	370	J
8.	c3 substituted benzene (12.23)	12.23	450	J
9.	c4 substituted benzene (12.32)	12.32	340	J
10.	c4 substituted benzene (12.69)	12.69	220	J

BER121 S40

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0213 @ 30-32'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No. _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-009A

Sample wt/vol: 5 (g/mL ML Lab File ID: 13\J9885.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13 , 4/12/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00 a 2

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	6	U J
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	4	J
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	15	J
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	3	J
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U J
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	120	
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	130	
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	700 ~~790~~	~~E~~

LOA 5/5/13

BER121 S43

1F

EPA SAMPLE NO.

0213 @ 30-32'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-009A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\J9885.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

Number TICs found: 5 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		(DEL) Alkane: Branched (3.24)	3.24	130	J
2.		(DEL) Alkane: Branched (5.92)	5.92	140	J
3.		(DEL) Alkane: Cyclic	7.04	130	J
4.		(DEL) Alkane: Branched (7.5)	7.50	170	J
5.		(DEL) Alkane: Branched (7.62)	7.62	190	J
6.		c3 substituted benzene (11.15)	11.15	420	J
7.		c3 substituted benzene (11.24)	11.24	160	J
8.		c3 substituted benzene (11.62)	11.62	420	J
9.		c4 substituted benzene (12.24)	12.24	190	J
10.		c4 substituted benzene (12.32)	12.32	190	J

BER121 S44

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0313 @ 11-13'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No. _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-010A

Sample wt/vol: 5 (g/mL ML Lab File ID: 13\J9886.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13 , 4/12/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00 ? 5

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	20	UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	8	
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	13	
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U J
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	3	J
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	150	
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	170 ~~230~~	~~E~~
100-42-5	Styrene	3	J
1330-20-7	Xylene (total)	1700 ~~1400~~	~~E~~

BER121 S47

4/15/13

1F

EPA SAMPLE NO.

0313 @ 11-13'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-010A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\J9886.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

Number TICs found: 7 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		(DEL) Alkane: Cyclic (4.85)	4.85	190	J
2.		(DEL) Alkane: Branched	5.92	200	J
3.		(DEL) Alkane: Cyclic (7.04)	7.04	210	J
4.		c3 substituted benzene (11.16)	11.16	680	J
5.		c3 substituted benzene (11.25)	11.25	300	J
6.		c3 substituted benzene (11.45)	11.45	290	J
7.		c3 substituted benzene (11.63)	11.63	600	J
8.		c3 substituted benzene (12.04)	12.04	300	J
9.		c3 substituted benzene (12.23)	12.23	380	J
10.		c4 substituted benzene	12.32	220	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0313 @ 20-22'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No. _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-011A

Sample wt/vol: 5 (g/mL ML Lab File ID: 13\J9887.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13 , 4/18/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00 & 40

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	110	J N
75-35-4	1,1-Dichloroethene	2	J
75-15-0	Carbon disulfide	1	J
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	920 ~~860~~	~~E~~
67-66-3	Chloroform	2	J
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	87	
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	4	J
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	18	
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U J
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	15	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5800 ~~1100~~	~~E~~
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	1600 ~~270~~	~~E~~
100-42-5	Styrene	2	J
1330-20-7	Xylene (total)	12000 ~~2300~~	~~E~~

for 5/5/13

1F

EPA SAMPLE NO.

0313 @ 20-22'

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-011A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\J9887.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

Number TICs found: 9 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		(DEL) Alkane: Branched	3.23	320	J
2.		c3 substituted benzene (11.06)	11.06	220	J
3.		c3 substituted benzene (11.16)	11.16	850	J
4.		c3 substituted benzene (11.25)	11.25	350	J
5.		c3 substituted benzene (11.45)	11.45	370	J
6.		c3 substituted benzene (11.63)	11.63	750	J
7.		c3 substituted benzene (12.04)	12.04	350	J
8.		c3 substituted benzene (12.23)	12.23	490	J
9.		c4 substituted benzene	12.32	270	J
10.	000091-20-3	Naphthalene	14.22	270	JN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0313 @ 30-32'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No. _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-012A

Sample wt/vol: 5 (g/mL ML Lab File ID: 13\J9891.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13 , 4/12/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00 & 5

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	15	U J
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	2	J
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	82	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	12	
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	3	J
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U J
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	630 ~~550~~	~~E~~
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	280 ~~340~~	~~E~~
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	1900 ~~1400~~	~~E~~

Sent 5/7/13

BER121 S55

1F

EPA SAMPLE NO.

0313 @ 30-32'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-012A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\J9891.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

Number TICs found: 7 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		(DEL) Alkane: Branched (3.23)	3.23	180	J
2.		(DEL) Alkane: Branched (5.7)	5.70	170	J
3.		(DEL) Alkane: Branched (5.92)	5.92	180	J
4.		c3 substituted benzene (11.15)	11.15	560	J
5.		c3 substituted benzene (11.24)	11.24	230	J
6.		c3 substituted benzene (11.44)	11.44	200	J
7.		c3 substituted benzene (11.62)	11.62	520	J
8.		c3 substituted benzene (12.04)	12.04	190	J
9.		c3 substituted benzene (12.23)	12.23	270	J
10.		c4 substituted benzene	12.32	200	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0413 @ 10-12'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No. _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-013A

Sample wt/vol: 5 (g/mL ML Lab File ID: 13\J9888.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5 ~~2~~	~~J~~ U
67-64-1	Acetone	5	U J
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	17	
67-66-3	Chloroform	5	
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	3	J
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	3	J
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U J
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	38	
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	140	
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	860 ~~850~~	~~E~~

5/5/13

BER121 S59

1F

EPA SAMPLE NO.

0413 @ 10-12'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-013A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\J9888.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

Number TICs found: 9 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		(DEL) Alkane: Branched	7.50	190	J
2.		c3 substituted benzene (11.16)	11.16	820	J
3.		c3 substituted benzene (11.25)	11.25	410	J
4.		c3 substituted benzene (11.45)	11.45	410	J
5.		c3 substituted benzene (11.63)	11.63	740	J
6.		c3 substituted benzene (12.04)	12.04	420	J
7.		c3 substituted benzene (12.23)	12.23	320	J
8.		c4 substituted benzene (12.32)	12.32	250	J
9.		c4 substituted benzene (12.69)	12.69	180	J
10.		c4 substituted benzene (13.57)	13.57	220	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0413 @ 20-22'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No. _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-014A

Sample wt/vol: 5 (g/mL ML Lab File ID: 13\J9889.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13 , 4/12/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00 ~~10~~

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	~~2~~ 5	~~J~~ U
67-64-1	Acetone	65	JN
75-35-4	1,1-Dichloroethene	2	J
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	350 ~~420~~	~~E~~
67-66-3	Chloroform	4	J
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	53	
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	1	J
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	14	
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U J
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	4	J
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	1000 ~~700~~	~~E~~
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	460 ~~510~~	~~E~~
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	3000 ~~1700~~	~~E~~

4/15/13

BER121 S63

1F

EPA SAMPLE NO.

0413 @ 20-22'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-014A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\J9889.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

Number TICs found: 8 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		(DEL) Alkane: Branched (3.23)	3.23	160	J
2.		unknown alkene	5.70	160	J
3.		(DEL) Alkane: Branched (5.92)	5.92	160	J
4.		c3 substituted benzene (11.15)	11.15	650	J
5.		c3 substituted benzene (11.24)	11.24	170	J
6.		c3 substituted benzene (11.44)	11.44	290	J
7.		c3 substituted benzene (11.62)	11.62	530	J
8.		c3 substituted benzene (12.04)	12.04	210	J
9.		c3 substituted benzene (12.23)	12.23	320	J
10.	000091-20-3	Naphthalene	14.22	180	JN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

0413 @ 30-32'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No. _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-015A

Sample wt/vol: 5 (g/mL ML Lab File ID: 13\J9915.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/12/13 , 4/18/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00 * 4

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	6	U
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	1	J
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	87	J
67-66-3	Chloroform	2	J
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	4	J
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	4	J
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U J
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U J
127-18-4	Tetrachloroethene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	110	
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	100	
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	1000 ~~790~~	~~E~~

4/15/13

BER121 S67

1F

EPA SAMPLE NO.

0413 @ 30-32'

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-015A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\J9915.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/12/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

Number TICs found: 6 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		(DEL) Alkane: Branched (5.7)	5.70	120	J
2.		(DEL) Alkane: Branched (5.92)	5.92	130	J
3.		(DEL) Alkane: Branched (7.5)	7.50	150	J
4.		(DEL) Alkane: Branched (7.62)	7.62	130	J
5.		c3 substituted benzene (11.15)	11.15	340	J
6.		c3 substituted benzene (11.24)	11.24	130	J
7.		c3 substituted benzene (11.62)	11.62	360	J
8.		c3 substituted benzene (12.04)	12.04	130	J
9.		c4 substituted benzene (12.24)	12.24	160	J
10.		c4 substituted benzene (12.32)	12.32	130	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No. _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-016A

Sample wt/vol: 5 (g/mL ML Lab File ID: 13\J9880.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	5	U J
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U J
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

JAN 5/7/13

BER121 S71

1F

EPA SAMPLE NO.

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-016A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\J9880.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No. _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-017A

Sample wt/vol: 5 (g/mL ML Lab File ID: 13\J9879.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	5	U J
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U J
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER121 S73

04/15/13

1F

EPA SAMPLE NO.

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-017A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\J9879.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

BER121 S74

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No. _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-018A

Sample wt/vol: 5 (g/mL ML Lab File ID: 13\J9878.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	21	
67-64-1	Acetone	6	J
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U J
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER121 S75

4/15/13

1F

EPA SAMPLE NO.

STORAGE BLANK

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER121

Matrix: (soil/water) WATER Lab Sample ID: 1304656-018A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\J9878.D

Level: (low/med) LOW Date Received: 04/10/13

% Moisture: not dec. Date Analyzed: 04/11/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Appendix B
Chain of Custody
Documents

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (631) 694-3040 Fax: (631) 420-8436

420[illegible]3 EXTERNAL CHAIN OF CUSTODY

CLIENT: BEI

H2M SDG NO: BER121

PROJECT NAME/NUMBER: Quick and Clean
380 Rockaway Turnpike (Lot 2)
Cedarhurst, New York

SAMPLERS: (signature)/Client: BEI

DELIVERABLES: ASP - Cat. B

TURNAROUND TIME: Norm

NOTES: Page 1

Project Contact: Justin

Phone Number: 631 5896521

PIS/Quote #: BEIjustin@optonline.net

P.O# 13041027

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
4/9/13	9:10	W	GW-0113 @ 15-19'	2	X					1304656-001A	
	9:20		GW-0113 @ 30-34'	6	X					-002A	MS/MSD
	9:30		" @ 40-44'	2	X					-003A	
	9:40		" @ 50-54'	2	X					-004A	
	9:50		" @ 60-64'	2	X					-005A	
	10:00		" @ 70-74'	2	X					-006A	
	10:10		GW-0213 @ 10-12'	2	X					-007A	
	10:20		" @ 20-22'	2	X					-008A	
	10:30		" @ 30-32'	2	X					-009A	
	10:40		GW-0313 @ 11-13'	2	X					-010A	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/10/13	1349	M. Wall	4-10-13	1349
M. Wall	4-10-13	1349	Matt Vogel	4/10/13	13:49

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N
Explain:

Samples were:
1. Shipped___ or Hand Delivered___ Airbill# _____
2. Ambient or chilled, Temp_____
3. Received in good condition: Y or N
4. Properly preserved: Y or N

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

WHITE COPY - ORIGINAL

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

BER121 S7

H2M LABS, INC.

575 Broadhollow Rd, Melville, NY 11747-5076
Tel: (631) 694-3040 Fax: (631) 420-8436

420[illegible] EXTERNAL CHAIN OF CUSTODY

CLIENT: BEI

H2M SDG NO: BER121

PROJECT NAME/NUMBER: Q + Clean (Q+C) 380 Mockaway Trnpke. Cedarhurst, NY

SAMPLERS (Signature)/Client: BEI

DELIVERABLES: ASP-Cat. B

TURNAROUND TIME: Dam1

NOTES: Page 2

Project Contact: Justin

Phone Number: 5896521

PIS/Quote #: P.O# 1304 1027

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	Sample Container Description	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
4/10	~~9:10~~	W	GW-0313 @ 20-22'	2	40 ml (8260)	X					1304656-011A	
"	9:20	"	" @ 30-32'	1	"	"					-012A	
	9:30		GW-0413 @ 10-12'								-013A	
	9:40		" @ 20-22'								-014A	
	9:50		" @ 30-32'								-015A	
	—		Trip Blank	2							-016A	
	10:30	W	Field Blank	2							-017A	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4/10/13	1349		4-10-13	1349
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	4-10-13	1349	Vogel	4/10/13	13:49
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N
Explain:

Samples were:
1. Shipped___ or Hand Delivered___ Airbill# _____
2. Ambient or chilled, Temp_____
3. Received in good condition: Y or N
4. Properly preserved: Y or N

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

WHITE COPY - ORIGINAL
BER121 S8

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

H2M labs

H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name BER

Date and Time Received: 4/10/2013 1:49:00 PM

Work Order Number: 1304656 RcptNo: 1

Received by Beth Vogel

Completed by: Beth Vogel

Reviewed by: Kerria Vennard

Completed Date: 4/10/2013

Reviewed Date: 4/11/2013 10:52:08 AM

Carrier name: Client

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☐	No ☑		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To 4.3 °	
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☑	No Vials	☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water	☐
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bil ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: BER121 SAS:

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

Client Contacted? ☑ Yes ☐ No Person Contacted: JUSTIN

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

Client Instructions: Client provided times of collection.

Date Contacted: 4/10/2013 Contacted By: Beth Vogel

Regarding: No times of collection listed on COC.

Comments:

No times of collection listed on COC.
One vial for sample GW-0113 @ 40-44' has a 0.5mm air bubble, while the other was not filled fully. Both vials for sample GW-0113 @ 60-64' have 1mm air bubbles. Both vials for sample GW-0113 @ 70-74' are not filled fully. Both vials for samples GW-0213 @ 30-32', GW-0313 @ 20-22', and GW-0313 @ 30-32' have 0.5mm air bubbles. One vial for sample GW-0413 @ 30-32' has a 0.5mm air bubble, but the spare has no headspace.

CorrectiveAction:
The client was contacted and the samples are logged as per times given by client.

BER121 S9

Appendix C
SDG Narratives

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ANALYSES
SAMPLES RECEIVED: 4/10/13
SDG#: BER121

For Sample(s):

GW-0113 @ 15-19'	GW-0213 @ 10-12'	GW-0413 @ 10-12'
GW-0113 @ 30-34'	GW-0213 @ 20-22'	GW-0413 @ 20-22'
GW-0113 @ 40-44'	GW-0213 @ 30-32'	GW-0413 @ 30-32'
GW-0113 @ 50-54'	GW-0313 @ 11-13'	TRIP BLANK
GW-0113 @ 60-64	GW-0313 @ 20-22'	FIELD BLANK
GW-0113 @ 70-74'	GW-0313 @ 30-32'	STORAGE BLANK

The above samples was/were analyzed for volatile organics by EPA method 8260B in accordance with the NYSDEC ASP, Rev. 6/2000 and reported with category B deliverables.

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

Sample GW-0113 @ 30-34' was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries were within Q.C. limits. All percent recoveries and RPDs were within Q.C. limits. A lab fortified blank was analyzed and indicates good method efficiency.

Samples GW-0113 @ 15-19', GW-0113 @ 70-74', GW-0213 @ 10-12', GW-0213 @ 20-22', GW-0213 @ 30-32', GW-0313 @ 11-13', GW-0313 @ 20-22', GW-0313 @ 30-32', GW-0413 @ 10-12', GW-0413 @ 20-22' and GW-0413 @ 30-32' were reanalyzed at a dilution due to concentration levels of targeted analytes above the calibration range. Both sets of data are submitted.

Dibromomethane and bromoform had %RSDs greater than 20.5% in the initial calibration of 1/22/13.

Several samples had headspace in one or both vials. Samples GW-0213 @ 20-22', GW-0213 @ 30-32', GW-0213 @ 10-12' and GW-0413 @ 30-32' had high surrogate recoveries for d-4 1,2-dichloroethane.

H2M labs
575 Broad Hollow Road
Melville, NY 11747
tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ANALYSES
SAMPLES RECEIVED: 4/10/13
SDG#: BER121

Bromomethane had a %D greater than 25% but below the limit of 40% in the continuing calibration of 4/12/13. The %D for bromoform was > 25% but < 40% in the calibrations of 4/12/13 and 4/18/13. Trichloroethene had a response factor of 0.286 in the continuing calibration of 4/11/13.

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

Date Reported: April 26, 2013

****
* *
* *
****
Joann M. Slavin
Senior Vice President

Appendix D
NYSDEC ASP Summary Forms

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: BER121

Analytical Requirements

Customer Sample Code	Laboratory Sample Code	MSVOA
GW-0113 @ 15-19'	1304656-001	X
GW-0113 @ 30-34'	1304656-002	X
GW-0113 @ 40-44'	1304656-003	X
GW-0113 @ 50-54'	1304656-004	X
GW-0113 @ 60-64	1304656-005	X
GW-0113 @ 70-74'	1304656-006	X
GW-0213 @ 10-12'	1304656-007	X
GW-0213 @ 20-22'	1304656-008	X
GW-0213 @ 30-32'	1304656-009	X
GW-0313 @ 11-13'	1304656-010	X
GW-0313 @ 20-22'	1304656-011	X
GW-0313 @ 30-32'	1304656-012	X
GW-0413 @ 10-12'	1304656-013	X
GW-0413 @ 20-22'	1304656-014	X
GW-0413 @ 30-32'	1304656-015	X
TRIP BLANK	1304656-016	X
FIELD BLANK	1304656-017	X
STORAGE BLANK	1304656-018	X

CLP (Non-CLP) (Please indicate year of protocol) ASP B 2000
TCL/TAL, HSL, Priority Pollutant,

(10)

4/30/13

BER121 S3

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: BER121

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1304656-001A	0113 @ 15-19'	Aqueous	ASP8260	09-Apr-13	10-Apr-13		11-Apr-13		1	LOW	
1304656-001ADL	0113 @ 15-19'DL	Aqueous	ASP8260	09-Apr-13	10-Apr-13		12-Apr-13		20	LOW	
1304656-002A	0113 @ 30-34'	Aqueous	ASP8260	09-Apr-13	10-Apr-13		12-Apr-13		1	LOW	
1304656-002AMS	0113 @ 30-34'MS	Aqueous	ASP8260	09-Apr-13	10-Apr-13		12-Apr-13		1	LOW	
1304656-002AMSD	0113 @ 30-34'MSD	Aqueous	ASP8260	09-Apr-13	10-Apr-13		12-Apr-13		1	LOW	
1304656-003A	0113 @ 40-44'	Aqueous	ASP8260	09-Apr-13	10-Apr-13		12-Apr-13		1	LOW	
1304656-004A	0113 @ 50-54'	Aqueous	ASP8260	09-Apr-13	10-Apr-13		12-Apr-13		1	LOW	
1304656-005A	0113 @ 60-64	Aqueous	ASP8260	09-Apr-13	10-Apr-13		11-Apr-13		1	LOW	
1304656-006A	0113 @ 70-74'	Aqueous	ASP8260	09-Apr-13	10-Apr-13		12-Apr-13		1	LOW	
1304656-006ADL	0113 @ 70-74'DL	Aqueous	ASP8260	09-Apr-13	10-Apr-13		18-Apr-13		3	LOW	
1304656-007A	0213 @ 10-12'	Aqueous	ASP8260	09-Apr-13	10-Apr-13		11-Apr-13		1	LOW	
1304656-007ADL	0213 @ 10-12'DL	Aqueous	ASP8260	09-Apr-13	10-Apr-13		12-Apr-13		40	LOW	
1304656-008A	0213 @ 20-22'	Aqueous	ASP8260	09-Apr-13	10-Apr-13		11-Apr-13		1	LOW	
1304656-008ADL	0213 @ 20-22'DL	Aqueous	ASP8260	09-Apr-13	10-Apr-13		12-Apr-13		10	LOW	
1304656-009A	0213 @ 30-32'	Aqueous	ASP8260	09-Apr-13	10-Apr-13		11-Apr-13		1	LOW	
1304656-009ADL	0213 @ 30-32'DL	Aqueous	ASP8260	09-Apr-13	10-Apr-13		12-Apr-13		2	LOW	
1304656-010A	0313 @ 11-13'	Aqueous	ASP8260	09-Apr-13	10-Apr-13		11-Apr-13		1	LOW	
1304656-010ADL	0313 @ 11-13'DL	Aqueous	ASP8260	09-Apr-13	10-Apr-13		12-Apr-13		5	LOW	
1304656-011A	0313 @ 20-22'	Aqueous	ASP8260	10-Apr-13	10-Apr-13		11-Apr-13		1	LOW	
1304656-011ADL	0313 @ 20-22'DL	Aqueous	ASP8260	10-Apr-13	10-Apr-13		18-Apr-13		40	LOW	
1304656-012A	0313 @ 30-32'	Aqueous	ASP8260	10-Apr-13	10-Apr-13		11-Apr-13		1	LOW	
1304656-012ADL	0313 @ 30-32'DL	Aqueous	ASP8260	10-Apr-13	10-Apr-13		12-Apr-13		5	LOW	
1304656-013A	0413 @ 10-12'	Aqueous	ASP8260	10-Apr-13	10-Apr-13		11-Apr-13		1	LOW	
1304656-013ADL	0413 @ 10-12'DL	Aqueous	ASP8260	10-Apr-13	10-Apr-13		12-Apr-13		3	LOW	
1304656-014A	0413 @ 20-22'	Aqueous	ASP8260	10-Apr-13	10-Apr-13		11-Apr-13		1	LOW	
1304656-014ADL	0413 @ 20-22'DL	Aqueous	ASP8260	10-Apr-13	10-Apr-13		12-Apr-13		10	LOW	
1304656-015A	0413 @ 30-32'	Aqueous	ASP8260	10-Apr-13	10-Apr-13		12-Apr-13		1	LOW	
1304656-015ADL	0413 @ 30-32'DL	Aqueous	ASP8260	10-Apr-13	10-Apr-13		18-Apr-13		4	LOW	

Labo[illegible]y Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	D[illegible]cd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1304656-016A	TRIP BLANK	Aqueous	ASP8260	10-Apr-13	10-Apr-13		11-Apr-13		1	LOW	
1304656-017A	FIELD BLANK	Aqueous	ASP8260	10-Apr-13	10-Apr-13		11-Apr-13		1	LOW	
1304656-018A	STORAGE BLANK	Aqueous	ASP8260	10-Apr-13	10-Apr-13		11-Apr-13		1	LOW	

L.A.B. Validation Corp, 14 West Point Drive, East Northport, NY 11731

DATA USABILITY SUMMARY REPORT – DUSR
DATA VALIDATION SUMMARY

ORGANIC ANALYSIS

TARGET COMPOUND LIST (TCL) VOLATILES BY GC/MS

For Groundwater Samples Collected
June 11, 2013
From 380 Rockaway Turnpike, Cedarhurst, NY
Former Quick and Clean
Collected by Berninger Environmental, Inc.

SAMPLE DELIVERY GROUP NUMBER:
BER123
BY H2M Labs, Inc. (ELAP #10478)

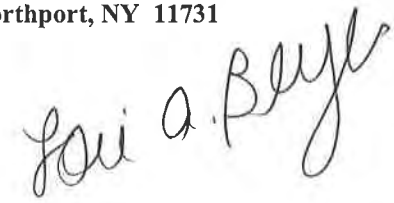
SUBMITTED TO:

Mr. Walter Berninger/President
Berninger Environmental
90-B Knickerbocker Avenue
Bohemia, NY 11716

July 29, 2013

PREPARED BY:

Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731



(516) 523-7891; email LABValidation@aol.com

Former Quick and Clean, 380 Rockaway Turnpike, Cedarhurst, New York- Groundwater Samples; June 2013 Sampling Event
Data Usability Summary Report (Data Validation): TCL Volatiles

Table of Contents:

Introduction:
A validation was performed on groundwater samples and the associated quality control samples for organic analysis for samples collected under chain of custody documentation by Berninger Environmental Inc. and submitted to H2M Labs, Inc. for subsequent analysis. This report contains the laboratory and validation results for the field samples itemized below. The groundwater samples were collected on June 11, 2013.

The samples were analyzed by H2M Labs, Inc., utilizing SW846 and submitted under NYSDEC ASP (2000) Category B equivalent deliverable requirements for the associated analytical methodologies employed. The analytical testing consisted of the Target Compound/Analyte Lists for Volatile Organics.

The data was evaluated in accordance with EPA Region II National Functional Guidelines for Organic Data Review and EPA Region II SOPs for 8260 and also in conjunction with the analytical methodologies for which the samples were analyzed, where applicable and relevant.

The data validation report pertains to the following samples:

GW-0513 @ 10-12' (plus MS/MSD)	1306773-001	Groundwater	06/11/13	06/13/13
GW-0513 @ 20-22'	1306773-002	Groundwater	06/11/13	06/13/13
GW-0513 @ 30-32'	1306773-003	Groundwater	06/11/13	06/13/13
Field Blank	1306773-004	Aqueous	06/11/13	06/13/13
Trip Blank	1306773-005	Aqueous	06/11/13	06/13/13
Storage Blank	1306773-006	Aqueous	06/13/13	06/13/13

Data Qualifier Definitions:

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate quantity.

D – Indicates the analyte concentration was obtained from diluted analysis.

Sample Receipt:
The Chain of Custody documents indicate that the samples were hand delivered by Berninger Environmental field sampling personnel and received at H2M Labs on 06/13/13 upon completion of the sampling event. Sample login notes were generated. The cooler temperature for all samples were recorded upon receipt at H2M Labs and determined to be acceptable @ 2.6 degrees C (<6.0 degrees C). The actual temperature is recorded on the chain of custody documents provided in Appendix B of this report.

Several samples were noted upon receipt to contain small air bubbles. Specifically, GW-0513 @10-12' (5 of the 6 vials), GW-0513 @ 20-22' (1 vial) and GW-0513 @ 30-32' (2 vials). Based on professional judgment, no qualifications to the data were made.

No unresolved problems and/or discrepancies were noted, consequently, the integrity of the samples has been assumed to be good.

The data summary tables included in Appendix A includes all usable (qualified) and unusable (rejected) results for the samples identified above. These tables summarize the detailed narrative section of the report.

NOTE:
L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

1.0 Target Analyte List (TCL) Volatile Organics by GC/MS SW846 Method 8260

The following method criteria were reviewed: holding times, SMCs, MS, MSD, LCS, Laboratory Spiked Blanks, Method Blanks, Tunes, Calibrations, Internal Standards, Target Component Identification, Quantitation, Reported Quantitation Limits and Overall System Performance. The Volatile results were considered to be valid and useable as noted within the following as noted within the following text:

1.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "UJ", or unusable, "R", if the holding times are grossly exceeded.

Samples pertaining to this SDG were performed within the Method required holding times as well as the technical holding times for data validation of 14 days from collection to analysis and diluted reanalysis. No data validation qualifiers were required based upon holding time.

1.2 System Monitoring Compound (Surrogate) Recovery

All samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the measure of surrogate concentrations is outside contract specifications, qualifications are required to be applied to associated samples and analytes.

Surrogate recoveries (%R) were found to be within acceptable limits for all three (3) surrogate compounds for all analyses pertaining to this SDG with the exception of 1,2-dichloroethane-d4 which recovered high in initial analysis of GW-0513 @ 20-22' (162%).

This sample was reanalyzed at a 1:25 dilution due to high target compound concentrations. Diluted reanalysis and therefore reduced matrix interferences acceptable recovery values were observed for 1,2-dichloroethane-d4.

The laboratory reported concentrations for vinyl chloride, 1,1-dichloroethene, 1,2-dichlorothene (total), trichloroethene and benzene must be considered estimated, "J" in sample 0513 @ 20-22'.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

Groundwater MS/MSD analysis was conducted on GW-0513 @ 10-12' as requested by Berninger field sampling personnel. All spike recoveries and RPD values fell within in house established QC ranges for spiked compounds.

1.4 Laboratory Control Sample/Fortified Blank Spikes

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

LCS/Fortified Blank Spike recovery values fell within acceptance limits.

1.5 Blank Contamination

Quality assurance (QA) blanks; i.e. method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

For:	Flag Sample Result with a "U" when:	Report CRQL & Qualify "U" when:	No Qualification is Needed when:
Methylene Chloride, Acetone, Toluene & 2-Butanone	Sample Conc. Is >CRQL, but </=10x blank value	Sample Conc. is <CRQL and </=10x blank value	Sample Conc. is >CRQL and >10x blank value
Other Contaminants	Sample Conc. Is >CRQL, but </=5x blank value	Sample Conc. Is <CRQL and </=5x blank value	Sample Conc. is >CRQL and >5x blank value

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) **Method Blank Contamination:**

No target/non target analytes were detected in the method blanks associated with sample analysis.

B) **Field Blank Contamination:**

Acceptable levels of Acetone and 2-Butanone were detected in the field blank associated with sample analysis. Results were evaluated based on the above criteria and the laboratory reported presence of these common lab contaminants were negated in samples GW-0513 @ 20-22' and GW-0513 @ 30-32'.

C) **Trip Blank Contamination:**

Target/non-target analytes were not detected in the Trip Blank applicable to this sampling event.

D) **Storage Blanks**

Target/non-target analytes were not detected in the Storage Blank associated with field samples.

1.6 GC/MS Instrument Performance Check

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency for Bromofluorobenzene (BFB) for all analyses conducted for this SDG.

1.7 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence.

The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be >/= 0.05 in both initial and continuing calibrations. A value <0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound in the corresponding samples will be rejected, "R".

All the response factors for the target analytes reported were found to be within acceptable limits (>/=0.05), for the initial and continuing calibrations for all reported TCL analytes.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be <30% and %D must be <25%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is >30% and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 30% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high level results will be qualified, "J" in the portion of the curve where non linearity exists.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (30%) for all reported compounds.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits (25%) for all reported compounds with the following exceptions:

CCAL 06/18/13 Instrument HP5972-2; 4-Methyl-2-Pentanone – 33.0% and 2-Hexanone – 33.8%. Non-detects for these compounds in all samples have been qualified, "UJ."

CCAL 6/20/13 HP5972-2; Bromoform 25.1%. No qualifications to the data is required since this calibration is only applicable to diluted reanalysis for GW-0513 @ 20-22' for analytes exceeding the calibration range in initial analysis.

1.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/- 30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

All samples were spiked with the internal standards Bromochloromethane, 1,4-Difluorobenzene and Chlorobenzene-d5 prior to sample analysis. The area responses and retention time of each internal standard met QC criteria in all samples associated with this SDG.

1.9 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. Generally for water samples an acceptable RPD is 10%.

Field Duplicate analysis was not collected as part of this sampling event.

1.10 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within =/- 0.06RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS spectra met the qualitative criteria for identification. All retention times were within required specifications.

1.10 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is considered to be acceptable. Correct internal standards per SW846, response factors were used to calculate final concentrations.

As required, the laboratory reported "J" values between the limit of quantitation (LOQ) and limit of detection (LOD). This is consistent with common laboratory practices and a requirement of the National Environmental Laboratory Approval Program (NELAP).

Tentatively identified compounds were detected field samples. The total TIC concentration is presented in the spreadsheets in Appendix A. Non target constituents primarily consist of aromatic hydrocarbons and aromatic substituted benzene compounds.

All groundwater samples were initially analyzed undiluted at 5mls. Based on Toluene, Ethylbenzene and Xylene concentrations diluted reanalyses were required for GW-0513 @ 20-22' (1:25) since the raw concentrations were determined to exceed the instruments linear calibration range.

Concentrations must be obtained from diluted reanalysis as reported by the laboratory and presented in the summary spreadsheets and have been qualified "D" on Form I's in Appendix A.

Acceptable dilutions were performed such that raw concentrations were within the upper half of the instruments linear calibration range.

The end user should proceed with caution when making decisions based on Methylene Chloride concentrations since this compound is a common laboratory contaminant.

1.11 Overall System Performance

Good resolution and chromatographic performance were observed. Raw data was reviewed and confirmed that no carryover exists for any analysis conducted with this data set.

Reviewer's Signature Lori A Bell **Date** 07/29/13

Appendix A
Data Summary Tables and Form I's
With Qualifications

VOLATILES BY SW846 METHOD 8260

BERNINGER ENVIRONMENTAL
Project: FORMER QUICK AND CLEAN
Laboratory: H2M; BER123

	Sample Identification:		GW-0513 @ 10-12'	GW-0513 @ 20-22'	GW-0513 @ 30-32'	Field Blank	Trip Blank	Storage Blank
	Laboratory ID:		1306773-001	1306773-002	1306773-003	1306773-004	1306773-005	1306773-006
	Sampling Date:		6/11/2013	6/11/2013	6/11/2013	6/11/2013	6/11/2013	6/13/2013
Cas #	Analyte	Units:						
74-87-3	Chloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
74-83-9	Bromomethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
75-01-4	Vinyl Chloride	ug/L	1 J	3 J	5 U	5 U	5 U	5 U
75-00-3	Chloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
75-09-2	Methylene Chloride	ug/L	5 U	5 U	1 J	5 U	5 U	5 U
67-64-1	Acetone	ug/L	32 U	5 U	30 U	7	5 U	5 U
75-15-0	Carbon disulfide	ug/L	4 J	5 U	19	5 U	5 U	5 U
75-35-4	1,1-Dichloroethene	ug/L	5 U	1 J	5 U	5 U	5 U	5 U
75-34-3	1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
540-59-0	1,2-Dichloroethene (total)	ug/L	27	250 J	8	5 U	5 U	5 U
67-66-3	Chloroform	ug/L	1 J	5 U	5 U	5 U	5 U	5 U
107-06-2	1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
78-93-3	2-Butanone	ug/L	10 U	5 U	19 U	2 J	5 U	5 U
71-55-6	1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
56-23-5	Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
75-27-4	Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
78-87-5	1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
10061-01-5	cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
79-01-6	Trichloroethene	ug/L	11	5 J	5 U	5 U	5 U	5 U
124-48-1	Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
79-00-5	1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
71-43-2	Benzene	ug/L	5 U	48 J	2 J	5 U	5 U	5 U
10061-02-6	trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
75-25-2	Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
108-10-1	4-Methyl-2-Pentanone	ug/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
591-78-6	2-Hexanone	ug/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
127-18-4	Tetrachloroethene	ug/L	16	7	5 U	5 U	5 U	5 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
108-88-3	Toluene	ug/L	7	2800 D	190	5 U	5 U	5 U
108-90-7	Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	ug/L	40	430 D	37	5 U	5 U	5 U
100-42-5	Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
1330-20-7	Xylene (total)	ug/L	440	5300 D	510	5 U	5 U	5 U
	Total Tentatively Identified Compounds (TICs)	ug/L	1110 J	4310 J	1620 J	0	0	0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-AT 10-12'
GW-0513 @ 10-12

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER123

Matrix: (soil/water) WATER Lab Sample ID: 1306773-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G19773.

Level: (low/med) LOW Date Received: 06/13/13

% Moisture: not dec. Date Analyzed: 06/18/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	1	J
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	32	U
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	4	J
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	27	
67-66-3	Chloroform	1	J
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	11	
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U J
591-78-6	2-Hexanone	5	U J
127-18-4	Tetrachloroethene	16	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	7	
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	40	
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	440	

BER123 S17

7/27/13

1F

EPA SAMPLE NO.

GW-AT ~~10~~-12'

GW-0513 @ 10-12'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER123

Matrix: (soil/water) WATER Lab Sample ID: 1306773-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G19773.

Level: (low/med) LOW Date Received: 06/13/13

% Moisture: not dec. Date Analyzed: 06/18/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

Number TICs found: 9 (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	(DEL) Alkane: Cyclic	3.34	47	J
2.	c3 substituted benzene (7.64)	7.64	200	J
3.	c3 substituted benzene (7.7)	7.70	110	J
4.	c3 substituted benzene (7.81)	7.81	93	J
5.	c3 substituted benzene (7.91)	7.91	280	J
6.	c3 substituted benzene (8.14)	8.14	99	J
7.	c3+c4 substituted benzene (8.24)	8.24	110	J
8.	c4 substituted benzene (8.26)	8.26	51	J
9.	c4 substituted benzene (8.46)	8.46	52	J
10.	c4 substituted benzene (8.88)	8.88	69	J

BER123 S18

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

~~GW-AT 20-22'~~ GW-0573 @ 20-22'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER123

Matrix: (soil/water) WATER Lab Sample ID: 1306773-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G19772.

Level: (low/med) LOW Date Received: 06/13/13

% Moisture: not dec. Date Analyzed: 06/18/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00 @ 25.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	3	~~J~~ J
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	1	~~J~~ J
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	250	J
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	J
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	48	J
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U J
591-78-6	2-Hexanone	5	U J
127-18-4	Tetrachloroethene	7	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	2800 D ~~1100~~	~~E~~
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	430 ~~460~~	~~E~~ D
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	6300 ~~2800~~	~~E~~ D

BER123 S19

7/27/13

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VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-AT 20-22'

GW-0513 @ 20-22'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER123

Matrix: (soil/water) WATER Lab Sample ID: 1306773-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G19772.

Level: (low/med) LOW Date Received: 06/13/13

% Moisture: not dec. Date Analyzed: 06/18/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00 @ 25.0

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

CONCENTRATION UNITS:

Number TICs found: 9 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		(DEL) Alkane: Branched	2.61	260	J
2.		c3 substituted benzene (7.66)	7.66	860	J
3.		c3 substituted benzene (7.71)	7.71	460	J
4.		c3 substituted benzene (7.83)	7.83	420	J
5.		c3 substituted benzene (7.93)	7.93	720	J
6.		c3 substituted benzene (8.15)	8.15	410	J
7.		c3+c4 substituted benzene (8.25)	8.25	550	J
8.		c4 substituted benzene (8.28)	8.28	240	J
9.		c4 substituted benzene (8.46)	8.46	210	J
10.		c4 substituted benzene (8.88)	8.88	180	J

BER123 S20

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

~~GW-AT-30-32'~~
GW-0513 @30-32'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER123

Matrix: (soil/water) WATER Lab Sample ID: 1306773-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G19771.

Level: (low/med) LOW Date Received: 06/13/13

% Moisture: not dec. Date Analyzed: 06/18/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	1	J
67-64-1	Acetone	30	U
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	19	
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	8	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	19	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	2	J
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U J
591 78 6	2-Hexanone	5	U J
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	190	
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	37	
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	510	

7/27/13

BER123 S23

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-AT 30-32'

GW-0513 @ 30-32'

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER123

Matrix: (soil/water) WATER Lab Sample ID: 1306773-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G19771.

Level: (low/med) LOW Date Received: 06/13/13

% Moisture: not dec. Date Analyzed: 06/18/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	(DEL) Alkane: Branched (2.61)	2.61	180	J
2.	(DEL) Alkane: Branched (3.77)	3.77	140	J
3.	(DEL) Alkane: Branched (3.91)	3.91	170	J
4.	(DEL) Alkane: Branched (4.98)	4.98	110	J
5.	(DEL) Alkane: Branched (5.07)	5.07	130	J
6.	c3 substituted benzene (7.64)	7.64	230	J
7.	c3 substituted benzene (7.7)	7.70	120	J
8.	c3 substituted benzene (7.91)	7.91	240	J
9.	c3 substituted benzene (8.24)	8.24	160	J
10.	c4 substituted benzene	8.27	140	J

BER123 S24

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER123

Matrix: (soil/water) WATER Lab Sample ID: 1306773-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G19770.

Level: (low/med) LOW Date Received: 06/13/13

% Moisture: not dec. Date Analyzed: 06/18/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	7	
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	2	J
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U J
591-78-6	2-Hexanone	5	U J
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER123 S25

6/27/13

1F

EPA SAMPLE NO.

FIELD BLANK

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER123

Matrix: (soil/water) WATER Lab Sample ID: 1306773-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G19770.

Level: (low/med) LOW Date Received: 06/13/13

% Moisture: not dec. Date Analyzed: 06/18/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

Number TICs found: 0 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

BER123 S26

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER123

Matrix: (soil/water) WATER Lab Sample ID: 1306773-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G19769.

Level: (low/med) LOW Date Received: 06/13/13

% Moisture: not dec. Date Analyzed: 06/18/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U J
591-78-6	2-Hexanone	5	U J
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER123 S27

7/27/13

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER123

Matrix: (soil/water) WATER Lab Sample ID: 1306773-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G19769.

Level: (low/med) LOW Date Received: 06/13/13

% Moisture: not dec. Date Analyzed: 06/18/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

Number TICs found: 0 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

STORAGE BLANK

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER123

Matrix: (soil/water) WATER Lab Sample ID: 1306773-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G19804.

Level: (low/med) LOW Date Received: 06/13/13

% Moisture: not dec. Date Analyzed: 06/20/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	5	U
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U J
591-78-6	2-Hexanone	5	U J
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER123 S29

7/27/13

1F

EPA SAMPLE NO.

STORAGE BLANK

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: H2M Case No.: BER SAS No.: _____ SDG No.: BER123

Matrix: (soil/water) WATER Lab Sample ID: 1306773-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G19804.

Level: (low/med) LOW Date Received: 06/13/13

% Moisture: not dec. Date Analyzed: 06/20/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

Appendix B
Chain of Custody
Documents

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (631) 694-3040 Fax: (631) 420-8436

42 13 EXTERNAL CHAIN OF CUSTODY

CLIENT: BEI | **H2M SDG NO:** BER123

PROJECT NAME/NUMBER: Quick and Clean
380 Rockaway Turnpike Cedarhurst, NY

SAMPLERS: (signature)/Client: (BEI)

DELIVERABLES: ASP-Cat B

TURNAROUND TIME: Normal

NOTES:

Project Contact: Justin H.

Phone Number: 589 6521

PIS/Quote #

PO# 13061077

Sample Container Description: 40 ml (8260)

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
6/11/13	9:00	W	GW-0513d10-12' (ms/msD)	6	X					1306773-001	
"	9:15	"	GW-0513d20-22'	2	X					-002	
"	9:30	"	GW-0513d30-32'	2	X					-003	
"	10:00	"	Field Blank	2	X					-004	
↓	—	↓	Trip Blank	2	X					-005	

Cooler temp 3.6 °C
IR gun 122336969 / 122076478
pH strips (10BDH0431) ≤2 3 9 ≥12
Free Cl2 strips(041912C)Present/Absent
Lot#

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	6/13/13	2:20	G.P.	6/13/13	14:20
GP	6/13/13	14:20		6/13/13	14:20

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N
Explain:

Samples were:
1. Shipped ___ or Hand Delivered ✓ Airbill# ___
2. Ambient or chilled Temp 3.6°C
3. Received in good condition: Y or N
4. Property preserved: Y or N

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

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

BER123 S6

H2M labs

H2M LABS INC
575 Broad Hollow Rd.
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **BER** Date and Time Received: **6/13/2013 14:20:00**

Work Order Number: **1306773** RcptNo: **1** Received by: **MelissaWatson**

Completed by: M - Wat Reviewed by:

Completed Date: 6/14/2013 Reviewed Date:

Carrier name: Client

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	3.6 °
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☑	No Vials	☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water	☐
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bill ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: BER123 SAS:

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

Client Contacted? ☐ Yes ☑ No Person Contacted:

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

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

5 vials from 001, 1 vial from sample 002, and 2 vials from sample 003 have headspace bubbles. All diameters are less than 1cm. Justin gave approval to proceed with analysis.

CorrectiveAction:

BER123 S7

Appendix C
SDG Narratives

H2M labs

575 Broad Hollow Road
Melville, NY 11747

tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ANALYSES
SAMPLES RECEIVED: 6/13/13
SDG#: BER123

For Sample(s):

GW-0513 AT 10-12'	FIELD BLANK
GW-0513 AT 20-22'	TRIP BLANK
GW-0513 AT 30-32'	STORAGE BLANK

The above sample(s) was/were analyzed for a specific list of volatile organic analytes by EPA method 8260. Data are reported according to the requirements of NYSDEC ASP 2000, Category B.

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

Sample GW-0513 AT 10-12' was submitted for matrix spike/ matrix spike duplicate (MS/MSD) analysis. The percent recoveries and RPDs were within the Q. C. limits, and recoveries for the matrix spike blank and the lab fortified blank(s) (LFB) met the control limits.

Sample GW-0513 AT 20-22' was reanalyzed at a dilution due to concentration levels of targeted analytes above the calibration range. Both sets of data are submitted. In the undiluted sample, the recovery for the surrogate 1,2-dichloroethane-d4 was above the Q. C. limit.

Bromoform had a %D above 25% in the continuing calibration of 6/20/13.

As per protocol, TICs identified as alkanes are not counted as TICs, but they are included in the TIC reports.

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

Date Reported: July 3, 2013

****
* Middel *
****
Ursula Middel
Technical Manager

Appendix D
NYSDEC ASP Summary Forms

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: BER123

Analytical Requirements

Customer Sample Code	Laboratory Sample Code	MSVOA
GW-0513 AT 10-12'	1306773-001	X
GW-0513 AT 20-22'	1306773-002	X
GW-0513 AT 30-32'	1306773-003	X
FIELD BLANK	1306773-004	X
TRIP BLANK	1306773-005	X
STORAGE BLANK	1306773-006	X

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

ASP B 2000

7/9/13

BER123 S3

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: BER123

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1306773-001A	GW-AT 10-12'	Aqueous	ASPB 8260	11-Jun-13	13-Jun-13		18-Jun-13		1	LOW	
1306773-001AMS	GW-AT 10-12'MS	Aqueous	ASPB 8260	11-Jun-13	13-Jun-13		18-Jun-13		1	LOW	
1306773-001AMSD	GW-AT 10-12'MSD	Aqueous	ASPB 8260	11-Jun-13	13-Jun-13		18-Jun-13		1	LOW	
1306773-002A	GW-AT 20-22'	Aqueous	ASPB 8260	11-Jun-13	13-Jun-13		18-Jun-13		1	LOW	
1306773-002ADL	GW-AT 20-22'DL	Aqueous	ASPB 8260	11-Jun-13	13-Jun-13		20-Jun-13		25	LOW	
1306773-003A	GW-AT 30-32'	Aqueous	ASPB 8260	11-Jun-13	13-Jun-13		18-Jun-13		1	LOW	
1306773-004A	FIELD BLANK	Aqueous	ASPB 8260	11-Jun-13	13-Jun-13		18-Jun-13		1	LOW	
1306773-005A	TRIP BLANK	Aqueous	ASPB 8260	11-Jun-13	13-Jun-13		18-Jun-13		1	LOW	
1306773-006A	STORAGE BLANK	Aqueous	ASPB 8260	13-Jun-13	13-Jun-13		20-Jun-13		1	LOW	

L.A.B. Validation Corp, 14 West Point Drive, East Northport, NY 11731

DATA USABILITY SUMMARY REPORT – DUSR
DATA VALIDATION SUMMARY

ORGANIC ANALYSIS

TARGET COMPOUND LIST (TCL) VOLATILES BY GC/MS

For Groundwater Samples Collected
October 02, 2013, October 10, 2013 and October 11, 2013
From 380 Rockaway Turnpike, Cedarhurst, NY
Former Quick and Clean
Collected by Berninger Environmental, Inc.

SAMPLE DELIVERY GROUP NUMBERs:
BER126 and BER 128
BY H2M Labs, Inc. (ELAP #10478)

SUBMITTED TO:

Mr. Walter Berninger/President
Berninger Environmental
90-B Knickerbocker Avenue
Bohemia, NY 11716

November 11, 2013

PREPARED BY:

Lori A. Beyer/President
L.A.B. Validation Corp.
14 West Point Drive
East Northport, NY 11731

Lori A. Beyer

(516) 523-7891; email LABValidation@aol.com

Former Quick and Clean, 380 Rockaway Turnpike, Cedarhurst, New York- Groundwater Samples; October 2013 Sampling Event
Data Usability Summary Report (Data Validation): TCL Volatiles

Table of Contents:

Introduction:
A validation was performed on groundwater samples and the associated quality control samples for organic analysis for samples collected under chain of custody documentation by Berninger Environmental Inc. and submitted to H2M Labs, Inc. for subsequent analysis. This report contains the laboratory and validation results for the field samples itemized below. The groundwater samples were collected on October 02, 2013, October 10, 2013 and October 11, 2013.

The samples were analyzed by H2M Labs, Inc., utilizing SW846 and submitted under NYSDEC ASP (2000) Category B equivalent deliverable requirements for the associated analytical methodologies employed. The analytical testing consisted of the Target Compound/Analyte Lists for Volatile Organics.

The data was evaluated in accordance with EPA Region II National Functional Guidelines for Organic Data Review and EPA Region II SOPs for 8260 and also in conjunction with the analytical methodologies for which the samples were analyzed, where applicable and relevant.

The data validation report pertains to the following samples:

Sample Identification	Laboratory Identification	Sample Matrix	Date Collected	Date Received
EP-15 @ 60-64' (plus MS/MSD)	1310202-001	Groundwater	10/02/13	10/03/13
Field Blank	1310202-002	Aqueous	10/02/13	10/03/13
Trip Blank	1310202-003	Aqueous	10/02/13	10/03/13
EP-13 @ 60-62' (plus MS/MSD)	1310705-001	Groundwater	10/10/13	10/11/13
EP-18 @ 60-62'	1310705-002	Groundwater	10/10/13	10/11/13
GW-061013 @ 20-24'	1301705-003	Groundwater	10/10/13	10/11/13
GW-061013 @ 30-34'	1301705-004	Groundwater	10/10/13	10/11/13
GW-061013 @ 40-44'	1301705-005	Groundwater	10/10/13	10/11/13
GW-061013 @ 50-54'	1301705-006	Groundwater	10/10/13	10/11/13
GW-061013 @ 60-64'	1301705-007	Groundwater	10/10/13	10/11/13
GW-071013 @ 20-24'	1301705-008	Groundwater	10/10/13	10/11/13
GW-071013 @ 30-34'	1301705-009	Groundwater	10/10/13	10/11/13
GW-071013 @ 40-44'	1301705-010	Groundwater	10/10/13	10/11/13
GW-071013 @ 50-54'	1301705-011	Groundwater	10/10/13	10/11/13
GW-071013 @ 60-64'	1301705-012	Groundwater	10/10/13	10/11/13
GW-081013 @ 20-24'	1301705-013	Groundwater	10/11/13	10/11/13
GW-081013 @ 30-34'	1301705-014	Groundwater	10/11/13	10/11/13
GW-081013 @ 40-44'	1301705-015	Groundwater	10/11/13	10/11/13
GW-081013 @ 50-54'	1301705-016	Groundwater	10/11/13	10/11/13
GW-081013 @ 60-64'	1301705-017	Groundwater	10/11/13	10/11/13

GW-091013 @ 20-24'	1301705-018	Groundwater	10/11/13	10/11/13
GW-091013 @ 30-34'	1301705-019	Groundwater	10/11/13	10/11/13
GW-091013 @ 40-44'	1301705-020	Groundwater	10/11/13	10/11/13
GW-091013 @ 50-54'	1301705-021	Groundwater	10/11/13	10/11/13
GW-091013 @ 60-64'	1301705-022	Groundwater	10/11/13	10/11/13
Field Blank	1301705-023	Aqueous	10/11/13	10/11/13
Trip Blank	1301705-024	Aqueous	10/11/13	10/11/13

Data Qualifier Definitions:

The following definitions provide brief explanations of the qualifiers assigned to results in the data review process.

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are rejected due to deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate quantity.

D - Indicates the concentration was obtained from diluted analysis.

Sample Receipt:
The Chain of Custody documents indicate that the samples were hand delivered by Berninger Environmental field sampling personnel and received at H2M Labs on 10/03/13 and 10/11/13 upon completion of each sampling event. Sample login notes were generated. The cooler temperature for all samples was recorded upon receipt at H2M Labs. Samples were chilled but determined to be 10.2 degrees C for sample EP-15 @ 60-64' which was received the day after collection. The temperature of the 10/11/13 samples was determined to be acceptable (<6.0 degrees C). The actual temperature is recorded on the chain of custody documents provided in Appendix B of this report.

Results for EP-15 @ 60-64' have been qualified, J/UJ."

Several samples were noted upon receipt to contain small air bubbles. Specifically, EP-18, GW-061013 @ 40-44' and GW-071013 @ 40-44' both contained some headspace. Based on professional judgment, no qualifications to the data were made. Additionally, one vial for GW-061013 @ 20-24' and GW-071013 @ 60-64' and GW-081013 @ 50-54' was documented by H2M sample receipt with small air bubbles. It is assumed that the laboratory performed analysis from the vial without documented air bubbles.

No unresolved problems and/or discrepancies were noted, consequently, the integrity of the samples has been assumed to be good.

The data summary tables included in Appendix A includes all usable (qualified) and unusable (rejected) results for the samples identified above. These tables summarize the detailed narrative section of the report.

NOTE:
L.A.B. Validation Corp. believes it is appropriate to note that the data validation criteria utilized for data evaluation is different than the method requirements utilized by the laboratory. Qualified data does not necessarily mean that the laboratory was non-compliant in the analysis that was performed.

1.0 Target Analyte List (TCL) Volatile Organics by GC/MS SW846 Method 8260

The following method criteria were reviewed: holding times, SMCs, MS, MSD, LCS, Laboratory Spiked Blanks, Method Blanks, Tunes, Calibrations, Internal Standards, Target Component Identification, Quantitation, Reported Quantitation Limits and Overall System Performance. The Volatile results were considered to be valid and useable as noted within the following as noted within the following text:

1.1 Holding Time

The amount of an analyte in a sample can change with time due to chemical instability, degradation, volatilization, etc. If the technical holding time is exceeded, the data may not be considered valid. Those analytes detected in the samples whose holding time has been exceeded will be qualified as estimates, "J". The non-detects (sample quantitation limits) are required to be flagged as estimated, "UJ", or unusable, "R", if the holding times are grossly exceeded.

Samples pertaining to these SDGs were performed within the Method required holding times as well as the technical holding times for data validation of 14 days from collection to analysis. No data validation qualifiers were required based upon holding time.

1.2 System Monitoring Compound (Surrogate) Recovery

All samples are spiked with surrogate compounds prior to sample analysis to evaluate overall laboratory performance and efficiency of the analytical technique. If the measure of surrogate concentrations is outside contract specifications, qualifications are required to be applied to associated samples and analytes.

Surrogate recoveries (%R) were found to be within acceptable limits for all three (3) surrogate compounds for all analyses pertaining to these SDGs.

1.3 Matrix Spikes (MS)/ Matrix Spike Duplicates (MSD)

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis. The MS/MSD may be used in conjunction with other QC criteria for additional qualification of data.

Groundwater MS/MSD analysis was conducted on EP-15 @ 60-64' as requested by Berninger field sampling personnel. All RPD values fell within in house established QC ranges. The spiking recovery for 1,1-Dichloroethene fell below acceptance limits in the MSD (57%). Based on acceptable LCS, no qualifications to the data were made.

Groundwater MS/MSD analysis was also conducted on EP-13 @ 60-62' as requested by Berninger field sampling personnel. All spike recoveries and RPD values fell within in house established QC ranges.

1.4 Laboratory Control Sample/Fortified Blank Spikes

The LCS data for laboratory control samples (LCS) are generated to provide information on the accuracy of the analytical method and on the laboratory performance.

LCS/Fortified Blank Spike recovery values fell within acceptance limits.

1.5 Blank Contamination

Quality assurance (QA) blanks; i.e. method, trip and field blanks are prepared to identify any contamination which may have been introduced into the samples during sample preparation or field activity. Method blanks measure laboratory contamination. Trip blanks measure cross-contamination of samples during shipment. Field blanks measure cross-contamination of samples during field operations.

The following table was utilized to qualify target analyte results due to contamination. The largest value from all the associated blanks is required to be utilized:

For:	Flag Sample Result with a "U" when:	Report CRQL & Qualify "U" when:	No Qualification is Needed when:
Methylene Chloride, Acetone, Toluene & 2-Butanone	Sample Conc. Is >CRQL, but </=10x blank value	Sample Conc. is <CRQL and </=10x blank value	Sample Conc. is >CRQL and >10x blank value
Other Contaminants	Sample Conc. Is >CRQL, but </=5x blank value	Sample Conc. Is <CRQL and </=5x blank value	Sample Conc. is >CRQL and >5x blank value

Below is a summary of the compounds in the sample and the associated qualifications that have been applied:

A) **Method Blank Contamination:**

No target/non target analytes were detected in the method blanks associated with sample analysis.

B) **Field Blank Contamination:**

Acetone was detected at acceptable levels in both Field Blanks pertaining to these SDGs and was negated in all field samples based on the above criteria.

C) **Trip Blank Contamination:**
No target/non target analytes were detected in the Trip Blanks associated with these sampling events.

D) **Storage Blanks**
No target/non target analytes were detected in the Storage Blanks associated with these sampling events.

1.6 GC/MS Instrument Performance Check

Tuning and performance criteria are established to ensure adequate mass resolution, proper identification of compounds and to some degree, sufficient instrument sensitivity. These criteria are not sample specific. Instrument performance is determined using standard materials. Therefore, these criteria should be met in all circumstances. The Tuning standard for volatile organics is Bromofluorobenzene (BFB).

Instrument performance was generated within acceptable limits and frequency for Bromofluorobenzene (BFB) for all analyses conducted for these SDGs.

1.7 Initial and Continuing Calibrations

Satisfactory instrument calibration is established to ensure that the instrument is capable of producing acceptable quantitative data. An initial calibration demonstrates that the instrument is capable of giving acceptable performance at the beginning of an experimental sequence. The continuing calibration checks document that the instrument is giving satisfactory daily performance.

A) Response Factor GC/MS:
The response factor measures the instrument's response to specific chemical compounds. The response factor for all compounds must be >/= 0.05 in both initial and continuing calibrations. A value <0.05 indicates a serious detection and quantitation problem (poor sensitivity). Analytes detected in the sample will be qualified as estimated, "J". All non-detects for that compound in the corresponding samples will be rejected, "R".

All the response factors for the target analytes reported were found to be within acceptable limits (>/=0.05), for the initial and continuing calibrations for all reported TCL analytes.

B) Percent Relative Standard Deviation (%RSD) and Percent Difference (%D):
Percent RSD is calculated from the initial calibration and is used to indicate the stability of the specific compound response factor over increasing concentrations. Percent D compares the response factor of the continuing calibration check to the mean response factor (RRF) from the initial calibration. Percent D is a measure of the instrument's daily performance. Percent RSD must be <30% and %D must be <25%. A value outside of these limits indicates potential detection and quantitation errors. For these reasons, all positive results are flagged as estimated, "J" and non-detects are flagged "UJ". If %RSD and %D grossly exceed QC criteria, non-detect data may be qualified, "R", unusable. Additionally, in cases where the %RSD is >30% and eliminating either the high or the low point of the curve does not restore the %RSD to less than or equal to 30% then positive results are qualified, "J". In cases where removal of either the low or high point restores the linearity, then only low or high level results will be qualified, "J" in the portion of the curve where non linearity exists.

Initial Calibrations: The initial calibrations provided and the %RSD were within acceptable limits (30%) for all reported compounds with the exception of Acetone (57.9%). Non-detects for all samples must be considered estimated, "UJ" for Acetone.

Continuing Calibrations: The continuing calibrations provided and the %D was within acceptable limits (25%) for all reported compounds with the following exceptions:

CCAL 10/04/13 Instrument HP5972-2; Acetone 27.1%; this analyte was negated due to field blank contamination, however, the reported validated non-detected concentrations must be considered estimated, "UJ" in EP-15 @ 60-64', Field Blank (10/02) and Trip Blank (10/02). Additionally, Bromomethane %D = 26.7. Non-detects have been qualified "UJ" for these samples.

CCAL 10/14/13 Instrument HP 5972-2; Bromomethane 32.6% and Toluene 31.3%. "UJ" non-detects in samples Trip Blank (10/10), Field Blank (10/10), EP-13 @ 60-62', EP18 @ 60-62', GW-061013 @ 20-24', GW-061013 @ 30-34', GW-061013 @ 40-44', GW-061013 @ 50-54', GW-061013 @ 60-64' and GW-071013 @ 20-24'.

1.8 Internal Standards

Internal Standards (IS) performance criteria ensure that the GC/MS sensitivity and response are stable during every experimental run. The internal standard area count must not vary by more than a factor of 2 (-50% to +100%) from the associated continuing calibration standard. The retention time of the internal standard must not vary more than +/-30 seconds from the associated continuing calibration standard. If the area count is outside the (-50% to +100%) range of the associated standard, all of the positive results for compounds quantitated using that IS are qualified as estimated, "J", and all non-detects as "UJ", or "R" if there is a severe loss of sensitivity.

If an internal standard retention time varies by more than 30 seconds, professional judgment will be used to determine either partial or total rejection of the data for that sample fraction.

All samples were spiked with the internal standards Bromochloromethane, 1,4-Difluorobenzene and Chlorobenzene-d5 prior to sample analysis. The area responses and retention time of each internal standard met QC criteria in all samples associated with these SDGs.

1.9 Field Duplicates

Field duplicate samples are collected and analyzed as an indication of overall precision. These results are expected to have more variability than laboratory duplicate samples. Generally for water samples an acceptable RPD is 10%.

Field Duplicate analysis was not collected as part of this sampling event.

1.10 Target Compound List Identification

TCL compounds are identified on the GC/MS by using the analyte's relative retention time (RRT) and by comparison to the ion spectra obtained from known standards. For the results to be a positive hit, the sample peak must be within =/- 0.06RRT units of the standard compound and have an ion spectra which has a ratio of the primary and secondary m/e intensities within 20% of that in the standard compound.

GC/MS spectra met the qualitative criteria for identification. All retention times were within required specifications.

1.10 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is considered to be acceptable. Correct internal standards per SW846, response factors were used to calculate final concentrations.

As required, the laboratory reported "J" values between the limit of quantitation (LOQ) and limit of detection (LOD). This is consistent with common laboratory practices and a requirement of the National Environmental Laboratory Approval Program (NELAP).

Tentatively identified compounds were detected field samples. The total TIC concentration is presented in the spreadsheets in Appendix A. Non target constituents primarily consist of aromatic hydrocarbons and aromatic substituted benzene compounds.

All groundwater samples were analyzed undiluted at 5mls.

The end user should proceed with caution when making decisions based on Carbon Disulfide and 2-Butanone concentrations since these compounds are common laboratory contaminants but could not be negated during the review process.

1.11 Overall System Performance
Good resolution and chromatographic performance were observed. Raw data was reviewed and confirmed that no carryover exists for any analysis conducted with this data set.

Reviewer's Signature Lori A. Beyer **Date** 11/11/13

Appendix A
Data Summary Tables and Form I's
With Qualifications

VOLATILES BY SW846 METHOD 8260

BERNINGER ENVIRONMENTAL
Project: FORMER QUICK AND CLEAN
Laboratory: H2M; BER126, BER128
Sample Identification:
Laboratory ID:
Sampling Date:

Cas #	Analyte	Units:	EP-15 @ 60-64' 1310202-001 10/2/2013	Field Blank 1310202-002 10/2/2013	Trip Blank 1310202-003 10/2/2013	EP-13 @ 60-62' 1310705-001 10/10/2013	EP-18 @ 60-62' 1310705-002 10/10/2013	GW-061013 @ 20-24' 1310705-003 10/10/2013	GW-061013 @ 30-34' 1310705-004 10/10/2013
74-87-3	Chloromethane	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
74-83-9	Bromomethane	ug/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
75-01-4	Vinyl Chloride	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
75-00-3	Chloroethane	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
75-09-2	Methylene Chloride	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
67-64-1	Acetone	ug/L	5 UJ	2 J	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
75-15-0	Carbon disulfide	ug/L	5 UJ	5 U	5 U	1 J	2 J	5 U	5 U
75-35-4	1,1-Dichloroethene	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
75-34-3	1,1-Dichloroethane	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
540-59-0	1,2-Dichloroethene (total)	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
67-66-3	Chloroform	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
107-06-2	1,2-Dichloroethane	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
78-93-3	2-Butanone	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
71-55-6	1,1,1-Trichloroethane	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
56-23-5	Carbon Tetrachloride	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
75-27-4	Bromodichloromethane	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
78-87-5	1,2-Dichloropropane	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
10061-01-5	cis-1,3-Dichloropropene	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
79-01-6	Trichloroethene	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
124-48-1	Dibromochloromethane	ug/L	5 UJ	5 U	5 U	5 U	2 J	5 U	1 J
79-00-5	1,1,2-Trichloroethane	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
71-43-2	Benzene	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
10061-02-6	trans-1,3-Dichloropropene	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
75-25-2	Bromoform	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
108-10-1	4-Methyl-2-Pentanone	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
591-78-6	2-Hexanone	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
127-18-4	Tetrachloroethene	ug/L	29 J	5 U	5 U	16	36	2 J	6
79-34-5	1,1,2,2-Tetrachloroethane	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
108-88-3	Toluene	ug/L	5 UJ	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ
108-90-7	Chlorobenzene	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
100-42-5	Styrene	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
1330-20-7	Xylene (total)	ug/L	5 UJ	5 U	5 U	5 U	5 U	5 U	5 U
	Total Tentatively Identified Compounds (TICs)	ug/L	11 J	0	0	0	13 J	0	6 J

VOLATILES BY SW846 METHOD 8260

BERNINGER ENVIRONMENTAL
Project: FORMER QUICK AND CLEAN
Laboratory: H2M; BER126, BER128
Sample Identification:
Laboratory ID:
Sampling Date:

Cas #	Analyte	Units	GW-061013 @ 48-44' 1310705-005 10/10/2013	GW-061013 @ 50-54' 1310705-006 10/10/2013	GW-061013 @ 60-64' 1310705-007 10/10/2013	GW-071013 @ 20-24' 1310705-008 10/10/2013	GW-071013 @ 30-34' 1310705-009 10/10/2013	GW-071013 @ 40-44' 1310705-010 10/10/2013	GW-071013 @ 50-54' 1310705-011 10/10/2013
74-87-3	Chloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
74-83-9	Bromomethane	ug/L	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 U	5 U
75-01-4	Vinyl Chloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-00-3	Chloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-09-2	Methylene Chloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
67-64-1	Acetone	ug/L	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
75-15-0	Carbon disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-35-4	1,1-Dichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-34-3	1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
540-59-0	1,2-Dichloroethene (total)	ug/L	5 U	5 U	5 U	5 U	2 J	5 U	5 U
67-66-3	Chloroform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
107-06-2	1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
78-93-3	2-Butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
71-55-6	1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
56-23-5	Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-27-4	Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
78-87-5	1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
10061-01-5	cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
79-01-6	Trichloroethene	ug/L	5 U	5 U	5 U	5 U	4 J	5 U	5 U
124-48-1	Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
79-00-5	1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
71-43-2	Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
10061-02-6	trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-25-2	Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
108-10-1	4-Methyl-2-Pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
591-78-6	2-Hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
127-18-4	Tetrachloroethene	ug/L	5 U	5 U	5 U	5	53	5 U	5 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
108-88-3	Toluene	ug/L	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 U	5 U
108-90-7	Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
100-42-5	Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1330-20-7	Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	Total Tentatively Identified Compounds (TICs)	ug/L	5 J	8 J	0	0	0	45 J	7 J

VOLATILES BY SW846 METHOD 8260

BERNINGER ENVIRONMENTAL
Project: FORMER QUICK AND CLEAN
Laboratory: H2M; BER126, BER128

	Sample Identification:		GW-081013 @ 60-64'	GW-081013 @ 20-24'	GW-081013 @ 30-34'	GW-081013 @ 40-44'	GW-081013 @ 50-54'	GW-081013 @ 60-64'	GW-091013 @ 20-24'
	Laboratory ID:		1310705-012	1310705-013	1310705-014	1310705-015	1310705-016	1310705-017	1310705-018
	Sampling Date:		10/10/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013	10/11/2013
Cas #	Analyte	Units:							
74-87-3	Chloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
74-83-9	Bromomethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-01-4	Vinyl Chloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-00-3	Chloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-09-2	Methylene Chloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
67-64-1	Acetone	ug/L	5 UJ	5 UJ	5 UJ	5 UJ	5 U	5 U	5 U
75-15-0	Carbon disulfide	ug/L	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ	5 UJ
75-35-4	1,1-Dichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-34-3	1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
540-59-0	1,2-Dichloroethene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
67-66-3	Chloroform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
107-06-2	1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
78-93-3	2-Butanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
71-55-6	1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
56-23-5	Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-27-4	Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
78-87-5	1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
10061-01-5	cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
79-01-6	Trichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
124-48-1	Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
79-00-5	1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
71-43-2	Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
10061-02-6	trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
75-25-2	Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
108-10-1	4-Methyl-2-Pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
591-78-6	2-Hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
127-18-4	Tetrachloroethene	ug/L	5 U	10	5 U	5 U	5 U	5 U	33
79-34-5	1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
108-88-3	Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
108-90-7	Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
100-42-5	Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1330-20-7	Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U
	Total Tentatively Identified Compounds (TICs)	ug/L	5 J	0	3 J	10 J	0	0	0

VOLATILES BY SW846 METHOD 8260

BERNINGER ENVIRONMENTAL
Project: FORMER QUICK AND CLEAN
Laboratory: H2M; BER126, BER128

	Sample Identification:		GW-091013 @ 30-34'	GW-091013 @ 40-44'	GW-091013 @ 50-54'	GW-091013 @ 60-64'	Field Blank	Trip Blank
	Laboratory ID:		1310705-019	1310705-020	1310705-021	1310705-022	1310705-023	1310705-024
	Sampling Date:		10/11/2013	10/11/2013	10/11/2013	10/11/2013		
Cas #	Analyte	Units:						
74-87-3	Chloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
74-83-9	Bromomethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
75-01-4	Vinyl Chloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
75-00-3	Chloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
75-09-2	Methylene Chloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
67-64-1	Acetone	ug/L	5 UJ	5 UJ	5 UJ	5 UJ	2 J	5 UJ
75-15-0	Carbon disulfide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
75-35-4	1,1-Dichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
75-34-3	1,1-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
540-59-0	1,2-Dichloroethene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
67-66-3	Chloroform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
107-06-2	1,2-Dichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
78-93-3	2-Butanone	ug/L	5 U	5 U	1 J	5 U	5 U	5 U
71-55-6	1,1,1-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
56-23-5	Carbon Tetrachloride	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
75-27-4	Bromodichloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
78-87-5	1,2-Dichloropropane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
10061-01-5	cis-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
79-01-6	Trichloroethene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
124-48-1	Dibromochloromethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
79-00-5	1,1,2-Trichloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
71-43-2	Benzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
10061-02-6	trans-1,3-Dichloropropene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
75-25-2	Bromoform	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
108-10-1	4-Methyl-2-Pentanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
591-78-6	2-Hexanone	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
127-18-4	Tetrachloroethene	ug/L	7	5 U	1 J	5 U	5 U	5 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
108-88-3	Toluene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
108-90-7	Chlorobenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
100-42-5	Styrene	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
1330-20-7	Xylene (total)	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
	Total Tentatively Identified Compounds (TICs)	ug/L	0	26 J	24 J	0	0	0

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EP-15AT 60-64'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER126

Matrix: (soil/water) WATER Lab Sample ID: 1310202-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21568.

Level: (low/med) LOW Date Received: 10/03/13

% Moisture: not dec. Date Analyzed: 10/04/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U J
74-83-9	Bromomethane	5	U J
75-01-4	Vinyl chloride	5	U J
75-00-3	Chloroethane	5	U J
75-09-2	Methylene chloride	5	U J
67-64-1	Acetone	5	U J
75-35-4	1,1-Dichloroethene	5	U J
75-15-0	Carbon disulfide	5	U J
75-34-3	1,1-Dichloroethane	5	U J
540-59-0	1,2-Dichloroethene (total)	5	U J
67-66-3	Chloroform	5	U J
107-06-2	1,2-Dichloroethane	5	U J
78-93-3	2-Butanone	5	U J
71-55-6	1,1,1-Trichloroethane	5	U J
56-23-5	Carbon tetrachloride	5	U J
75-27-4	Bromodichloromethane	5	U J
78-87-5	1,2-Dichloropropane	5	U J
10061 01 5	cis-1,3-Dichloropropene	5	U J
79-01-6	Trichloroethene	5	U J
124-48-1	Dibromochloromethane	5	U J
79-00-5	1,1,2-Trichloroethane	5	U J
71-43-2	Benzene	5	U J
10061-02-6	trans-1,3-Dichloropropene	5	U J
75-25-2	Bromoform	5	U J
108-10-1	4-Methyl-2-pentanone	5	U J
591-78-6	2-Hexanone	5	U J
127-18-4	Tetrachloroethene	29	J
79-34-5	1,1,2,2-Tetrachloroethane	5	U J
108-88-3	Toluene	5	U J
108-90-7	Chlorobenzene	5	U J
100-41-4	Ethylbenzene	5	U J
100-42-5	Styrene	5	U J
1330-20-7	Xylene (total)	5	U J

fap 11/10/13

BER126 S17

1F

EPA SAMPLE NO.

EP-15AT 60-64'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER126

Matrix: (soil/water) WATER Lab Sample ID: 1310202-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21568.

Level: (low/med) LOW Date Received: 10/03/13

% Moisture: not dec. Date Analyzed: 10/04/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

Number TICs found: 2 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown alkene	1.38	5	J
2.		dihydro methyl indene isomer	8.86	6	J

BER126 S18

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER126

Matrix: (soil/water) WATER Lab Sample ID: 1310202-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21571.

Level: (low/med) LOW Date Received: 10/03/13

% Moisture: not dec. Date Analyzed: 10/04/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U J
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	3	J J
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

10/10/13

BER126 S19

1F

EPA SAMPLE NO.

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VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER126

Matrix: (soil/water) WATER Lab Sample ID: 1310202-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21571.

Level: (low/med) LOW Date Received: 10/03/13

% Moisture: not dec. Date Analyzed: 10/04/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

Number TICs found: 0 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

BER126 S20

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

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Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER126

Matrix: (soil/water) WATER Lab Sample ID: 1310202-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21572.

Level: (low/med) LOW Date Received: 10/03/13

% Moisture: not dec. Date Analyzed: 10/04/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U J
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	5	U J
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER126 S21

11/10/13

1F

EPA SAMPLE NO.

TRIP BLANK

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER126

Matrix: (soil/water) WATER Lab Sample ID: 1310202-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21572.

Level: (low/med) LOW Date Received: 10/03/13

% Moisture: not dec. Date Analyzed: 10/04/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

Number TICs found: 0 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EP-13 @ 60-62'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21633.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U J
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~2~~ 5	~~U~~ U J
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	1	J
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	16	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S21

fb 11/10/13

1F

EPA SAMPLE NO.

EP-13 @ 60-62'

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21633.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

EP-18 @ 60-62'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21636.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U J
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~4~~ 5	~~J~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	2	J
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	2	J
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	36	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

11/10/13

BER128 S23

1F

EPA SAMPLE NO.

EP-18 @ 60-62'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21636.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown alkene	1.38	13	J

BER128 S24

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-061013 20-24'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21637.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U J
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~2~~ 5	~~J~~ U J
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	2	J
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S25

10/11/13

1F

EPA SAMPLE NO.

GW-061013 20-24'

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21637.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

Number TICs found: 0 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-061013 30-34'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21638.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U J
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~4~~ 5	~~J~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	1	J
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	6	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S27

11/10/13

1F

EPA SAMPLE NO.

GW-061013 30-34'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21638.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

Number TICs found: 1 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	001634-04-4	Propane, 2-methoxy-2-methyl-	2.77	6	JN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-061013 40-44'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21639.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U J
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~5~~ 5	~~U~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S29

10/11/13

1F

EPA SAMPLE NO.

GW-061013 40-44'

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21639.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown alkene	1.37	5	J

BER128 S30

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-061013 50-54'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21640.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U J
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~2~~ 5	~~J~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S31

for 1 11/10/13

1F

EPA SAMPLE NO.

GW-061013 50-54'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21640.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown alkene	1.38	6	J

BER128 S32

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-061013 60-64'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21641.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U J
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~2~~ 5	~~U~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S33

10/11/13

1F

EPA SAMPLE NO.

GW-061013 60-64'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21641.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

Number TICs found: 0 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-071013 20-24'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21642.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U J
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	2 S	~~U~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U J
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S35

10/10/13

1F

EPA SAMPLE NO.

GW-071013 20-24'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21642.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

Number TICs found: 0 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-071013 30-34'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-009A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21650.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~2~~ 5	~~J~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	2	
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	4	J
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	63	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S37

10/11/13

1F

EPA SAMPLE NO.

GW-071013 30-34'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-009A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21650.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

Number TICs found: 0 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-071013 40-44'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-010A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21651.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~3~~ 5	~~U~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S39

10/11/13

1F

EPA SAMPLE NO.

GW-071013 40-44'

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-010A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21651.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

Number TICs found: 3 (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown alkene (1.38)	1.38	35	J
2.		unknown alkene (1.51)	1.51	5	J
3.		unknown alkene (1.91)	1.91	5	J

BER128 S40

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-071013 50-54'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-011A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21652.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~2~~ 5	~~J~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S41

10/15/13

1F

EPA SAMPLE NO.

GW-071013 50-54'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-011A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21652.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown alkene	1.38	7	J

BER128 S42

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-071013 60-64'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-012A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21653.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~2~~ 5	~~U~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S43

10/11/10113

1F

EPA SAMPLE NO.

GW-071013 60-64'

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-012A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21653.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown alkene	1.38	8	J

BER128 S44

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-081013 20-24'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-013A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21654.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~5~~ 5	~~U~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	10	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S45

10/11/13

1F

EPA SAMPLE NO.

GW-081013 20-24'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-013A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21654.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-081013 30-34'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-014A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21655.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~4~~ 5	~~U~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S47

10/15/13

1F

EPA SAMPLE NO.

GW-081013 30-34'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-014A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21655.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

Number TICs found: 1 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1		unknown alkene	1.38	9	J

BER128 S48

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-081013 40-44'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-015A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21656.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~J~~ 5	~~J~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78 87 5	1,2 Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S49

10/11/13

1F

EPA SAMPLE NO.

GW-081013 40-44'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-015A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21656.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		unknown alkene	1.38	10	J

BER128 S50

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-081013 50-54'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-016A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21657.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	25	UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S51

10/11/13

1F

EPA SAMPLE NO.

GW-081013 50-54'

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-016A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21657.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

Number TICs found: 0 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

BER128 S52

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-081013 60-64'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-017A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21658.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~2~~ 5	~~J~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S53

80 11/10/13

1F

EPA SAMPLE NO.

GW-081013 60-64'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-017A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21658.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

Number TICs found: 0 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

BER128 S54

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-091013 20-24'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-018A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21659.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~2~~ 5	~~U~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	33	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S55

10/11/13

1F

EPA SAMPLE NO.

GW-091013 20-24'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-018A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21659.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

BER128 S56

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-091013 30-34'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-019A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21660.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~1~~ 5	~~U~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	7	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S57

10/10/13

1F

EPA SAMPLE NO.

GW-091013 30-34'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-019A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21660.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

BER128 S58

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-091013 40-44'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-020A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21661.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~2~~ 5	~~J~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S59

10/11/13

1F

EPA SAMPLE NO.

GW-091013 40-44'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-020A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21661.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown alkene	1.38	26	J

BER128 S60

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-091013 50-54'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-021A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21662.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	6	UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	1	J
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	1	J
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S61

80 11/18/13

1F

EPA SAMPLE NO.

GW-091013 50-54'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-021A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21662.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown alkene	1.38	24	J

BER128 S62

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-091013 60-64'

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-022A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21663.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	~~4~~ 5	~~J~~ UJ
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S63

10/11/13

1F

EPA SAMPLE NO.

GW-091013 60-64'

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-022A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21663.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/15/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

BER128 S64

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-023A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21632.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	2	~~U~~ J
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78 87 5	1,2 Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

10/10/13

BER128 S65

1F

EPA SAMPLE NO.

FIELD BLANK

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-023A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21632.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

BER128 S66

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: H2M LABS INC Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER128

Matrix: (soil/water) WATER Lab Sample ID: 1310705-024A

Sample wt/vol: 5 (g/mL) ML Lab File ID: 13\G21631.

Level: (low/med) LOW Date Received: 10/11/13

% Moisture: not dec. Date Analyzed: 10/14/13

GC Column: Rtx-624 ID: .18 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L	Q
74-87-3	Chloromethane	5	U
74-83-9	Bromomethane	5	U
75-01-4	Vinyl chloride	5	U
75-00-3	Chloroethane	5	U
75-09-2	Methylene chloride	5	U
67-64-1	Acetone	5	U J
75-35-4	1,1-Dichloroethene	5	U
75-15-0	Carbon disulfide	5	U
75-34-3	1,1-Dichloroethane	5	U
540-59-0	1,2-Dichloroethene (total)	5	U
67-66-3	Chloroform	5	U
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon tetrachloride	5	U
75-27-4	Bromodichloromethane	5	U
78-87-5	1,2-Dichloropropane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
79-01-6	Trichloroethene	5	U
124-48-1	Dibromochloromethane	5	U
79-00-5	1,1,2-Trichloroethane	5	U
71-43-2	Benzene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
75-25-2	Bromoform	5	U
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
100-42-5	Styrene	5	U
1330-20-7	Xylene (total)	5	U

BER128 S67

10/11/13

Appendix B
Chain of Custody
Documents

H2M LABS, INC.

575 Broadhollow Rd, Melville, NY 11747-5076
Tel: (631) 694-3040 Fax: (631) 420-8436

42 of 4

EXTERNAL CHAIN OF CUSTODY

CLIENT: BEI

H2M SDG NO: BER126

PROJECT NAME/NUMBER: Quick and Clean
380 Mackaway Trnpk. Cedarhurst

SAMPLERS: (signature)/Client

DELIVERABLES: ASP- Cat B

TURNAROUND TIME: Normal

NOTES: Email: bei justin@optonline.net

Project Contact: Justin

Phone Number: 589 6521

PIS/Quote #

PO# 13101159

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	Sample Container Description: 40 ml Vial (8260)	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
10/2/13	10:	W	EP-15a 60-64' (ms/msd)	6	X						1310202-001	
↓	↓	↓	Field Blank	2	X						-002	
↓	↓	↓	Trip Blank	2	X						-003	

Cooler temp 10.2 °C
IR gun 122336969 / 122076478
pH strips (10BDH0431) ≤2 3 9 ≥12
Free Cl2 strips(041912C)Present/Absent
Lot#

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/3/13	8:00		10/3/13	8:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/3/13	10:30		10-3-13	10:30
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N
Explain:

Samples were:
1. Shipped ___ or Hand Delivered ✓ Airbill# ___
2. Ambient or chilled, Temp 10.2 °C
3. Received in good condition: Y or N
4. Properly preserved: Y or N

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

WHITE COPY - ORIGINAL

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

BER126 S6

H2M labs

H2M LABS INC
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name **BER** Date and Time Received: **10/3/2013 10:30:00 AM**

Work Order Number: **1310202** RcptNo: **1** Received by **MelissaWatson**

Completed by: M. Wat Reviewed by: Kerria Vennard

Completed Date: 10/3/2013 Reviewed Date: 10/4/2013 11:51:54 AM

Carrier name: Client

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☐	No ☑	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To 10.2 °	
Water - Were bubbles absent in VOC vials?	Yes ☑	No ☐	No Vials	☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	No Water	☐
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bil ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: BER126 SAS:

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

Client Contacted? ☐ Yes ☑ No Person Contacted:

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

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

The samples were chilled but the temperature upon receipt was greater than 6 degrees Celsius.

CorrectiveAction:

BER126 S7

H2M LABS, INC.

575 Broadhollow Rd, Melville, NY 11747-5076
Tel: (631) 694-3040 Fax: (631) 420-8436

C4885

EXTERNAL CHAIN OF CUSTODY

CLIENT: BEI (Beninger) | H2M SDG NO: BER128

PROJECT NAME/NUMBER: Quick + Clean (Q+C) 380 Rockaway turnpike

SAMPLERS: (signature)/Client

DELIVERABLES: ASP Cat-B

TURNAROUND TIME: Normal

NOTES: Page: 1

PO# B101166

Project Contact: Justin

Phone Number: 774 6682

PIS/Quote #

Sample Container Description: 40ml VOA (HCl)

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	ORGANIC: VOA	ORGANIC: BNA	ORGANIC: Pest/PCB	INORG.: Metal	INORG.: CN	LAB I.D. NO.	REMARKS:
10/10	9:00	W	EP-13 @ 60-62' (MS/MSD)	6	X					310705-001	
	10:00	W	EP-18 @ 60-62'	2	X					2	*
	10:50	W	GW-061013@ 20-24'	2	X					3	
	11:45	W	" " 30-34'	2	X					4	
	11:40	W	" " 40-44'	2	X					5	
	11:35	W	" " 50-54'	2	X					6	
	11:30	W	" " 60-64'	2	X					7	
	13:20	W	GW-071013 @ 20-24'	2	X					8	
	13:15	W	" " 30-34'	2	X					9	
	13:10	W	" " 40-44'	2	X					10	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/11/13	1:40 PM		10/11/13	1340
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N
Explain:

Samples were:
1. Shipped ___ or Hand Delivered X Airbill# ___
2. Ambient or chilled, Temp 2.0°C
3. Received in good condition: Y or N
4. Properly preserved: Y or N

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

WHITE COPY - ORIGINAL
BER128 S6

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

H2M LABS, INC.

575 Broadhollow Rd, Melville, NY 11747-5076
Tel: (631) 694-3040 Fax: (631) 420-8436

C48x4

EXTERNAL CHAIN OF CUSTODY

CLIENT: BEI

H2M SDG NO:

PROJECT NAME/NUMBER: Quick Clean (Q+C) Cedarhurst, NY

SAMPLERS: (signature)/Client

DELIVERABLES: ASP - Cat B

TURNAROUND TIME: Normal

NOTES: Page: 2

Project Contact: Justin

Phone Number: 774 6682

PIS/Quote #

Poff 13101166

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
10/10	13:05	W	GW-071013@50-54'	2	X					130705-011	
10/10	13:00	W	" " 60-64'	2	X					12	
10/11	9:20	W	GW-081013@20-24'	2	X					13	
	9:15	W	" " 30-34'	2	X					14	
	9:10	W	" " 40-44'	2	X					15	
	9:05	W	" " 50-54'	2	X					16	
	9:00	W	" " 60-64'	2	X					17	
	11:20	W	GW-091013@20-24'	2	X					18	
	11:15	W	" " 30-34'	2	X					19	
	11:10	W	" " 40-44'	2	X					20	

	Date	Time		Date	Time
Relinquished by: (Signature)	10/11/13	1:40pm	Received by: (Signature)	10/11/13	1340
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N
Explain:

Samples were:
1. Shipped___ or Hand Delivered___ Airbill# _____
2. Ambient or chilled, Temp_____
3. Received in good condition: Y or N
4. Properly preserved: Y or N

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

WHITE COPY - ORIGINAL
BER128 S7

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (631) 694-3040 Fax: (631) 420-8436

24881

EXTERNAL CHAIN OF CUSTODY

CLIENT: BEI | **H2M SDG NO:**

PROJECT NAME/NUMBER: Q+C 380 Motkaloway Tmpke Cedarhurst

SAMPLERS: (signature)/Client

DELIVERABLES: ASP -Cat B

TURNAROUND TIME: Normal

NOTES: Prep: 3

Project Contact:

Phone Number: 774 6882

PIS/Quote #

PO# 1310166

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	Sample Container Description: 40ml (HCl) VOA	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
10/11	11:05	W	GW-091013 @ 50-54'	2	X						1310705-021	
	11:00	W	" " 60-64'	2	X						022	
	-	W	TRIP Blanks	2	X						024	
	12:00	W	FIELD Blanks	2	X						023	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
	10/11/13	1:40 PM		10/11/13	1340
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

LABORATORY USE ONLY

Discrepancies Between Sample Labels and COC Record? Y or N
Explain:

Samples were:
1. Shipped___ or Hand Delivered___ Airbill# _____
2. Ambient or chilled, Temp_____
3. Received in good condition: Y or N
4. Properly preserved: Y or N

COC Tape was:
1. Present on outer package: Y or N
2. Unbroken on outer package: Y or N
3. COC record present & complete upon sample receipt: Y or N

WHITE COPY - ORIGINAL
BER128 S8

YELLOW COPY - CLIENT

PINK COPY - LABORATORY

H2M labs

H2M LABS INC
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.h2mlabs.com

Sample Receipt Checklist

Client Name BER

Date and Time Received: 10/11/2013 1:40:00 PM

Work Order Number: 1310705 RcptNo: 1

Received by Linda Siciliano

Completed by: Linda Siciliano

Reviewed by: Kerria Vennard

Completed Date: 10/11/2013 2:26:10 PM

Reviewed Date: 10/14/2013 12:40:55 PM

Carrier name: Client

Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Are matrices correctly identified on Chain of custody?	Yes ☑	No ☐		
Is it clear what analyses were requested?	Yes ☑	No ☐		
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present	☑
Samples in proper container/bottle?	Yes ☑	No ☐		
Were correct preservatives used and noted?	Yes ☑	No ☐	NA	☐
Preservative added to bottles:				
Sample Condition?	Intact ☑	Broken ☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Were container labels complete (ID, Pres, Date)?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Was an attempt made to cool the samples?	Yes ☑	No ☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes ☑	No ☐	NA	☐
Response when temperature is outside of range:				
Sample Temp. taken and recorded upon receipt?	Yes ☑	No ☐	To	2.6 °
Water - Were bubbles absent in VOC vials?	Yes ☐	No ☑	No Vials	☐
Water - Was there Chlorine Present?	Yes ☐	No ☐	NA	☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	No Water	☑
Are Samples considered acceptable?	Yes ☑	No ☐		
Custody Seals present?	Yes ☐	No ☑		
Airbill or Sticker?	Air Bil ☐	Sticker ☐	Not Present	☑
Airbill No:				

Case Number: SDG: BER128 SAS:

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

Client Contacted? ☐ Yes ☑ No Person Contacted:

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

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

The following samples contain headspace: EP-18 (both vials, 0.5 and 1.5cm), GW-061013@40-44' (both vials, 0.5cm), GW-061013@20-24' (1 vial, 0.5cm), GW-071013@40-44' (both vials, 2cm),GW-071013@60-64' (1 vial, .5cm) GW-081013@50-54' (1 vial, 1cm)

CorrectiveAction:

BER128 S9

Appendix C
SDG Narratives

H2M labs
575 Broad Hollow Road
Melville, NY 11747
tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ANALYSES
SAMPLES RECEIVED: 9/10/13
SDG#: BER126

For Sample(s):

EP-15 AT 60-64'
FIELD BLANK
TRIP BLANK
STORAGE BLANK

The above sample(s) and blank(s) was/were analyzed for a specific list of volatile organic analytes by EPA method 8260B. Data are reported according to the requirements of NYSDEC ASP 2000, Category B.

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

Sample EP-15 AT 60-64' was submitted for matrix spike / matrix spike duplicate (MS/MSD) analysis. All recoveries and RPDs met the Q.C. limits with the exception of a low recovery for 1,1-dichloroethene in the MSD. A lab fortified blank was analyzed, and data indicate good method efficiency.

Bromomethane and bromofluorobenzene had a %D in the continuing calibration verification (CCV) above 25% but below the limit of 40% permitted for two analytes with required variability.

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

Date Reported: October 22, 2013

****
* *
* *
****

Ursula Middel
Technical Manager

BER126 S11

H2M labs
575 Broad Hollow Road
Melville, NY 11747
tel 631.694.3040
fax 631.420.8436

SDG NARRATIVE FOR VOLATILE ANALYSES
SAMPLES RECEIVED: 10/11/13
SDG#: BER128

EP-13 @ 60-62'	GW-071013 @ 40-44'	GW-091013 @ 20-24'
EP-18 @ 60-62'	GW-071013 @ 50-54'	GW-091013 @ 30-34'
GW-061013 @ 20-24'	GW-071013 @ 60-64'	GW-091013 @ 40-44'
GW-061013 @ 30-34'	GW-081013 @ 20-24'	GW-091013 @ 50-54'
GW-061013 @ 40-44'	GW-081013 @ 30-34'	GW-091013 @ 60-64'
GW-061013 @ 50-54'	GW-081013 @ 40-44'	FIELD BLANK
GW-061013 @ 60-64'	GW-081013 @ 50-54'	TRIP BLANK
GW-071013 @ 20-24'	GW-081013 @ 60-64'	STORAGE BLANK
GW-071013 @ 30-34'		

The above water sample(s) and blanks was/were analyzed for a specific list of volatile organic analytes by EPA method 8260C in accordance with the requirements of NYSDEC ASP 2000, Category A.

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

The variability for bromomethane and toluene in the continuous calibration check (CCV) exceeded 25% but met the limit of 40% (allowed for two analytes).

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

Date Reported: October 29, 2013

****
* *
* *
****

Ursula Middel
Technical Manager

BER128 S15

Appendix D
NYSDEC ASP Summary Forms

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: BER126

Analytical Requirements

Customer Sample Code	Laboratory Sample Code	MSVOA
EP-15 AT 60-64'	1310202-001	X
FIELD BLANK	1310202-002	X
TRIP BLANK	1310202-003	X
STORAGE BLANK	1310202-004	X

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

ASP B 2000

10/25/13

BER126 S3

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: BER126

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1310202-001A	EP-15AT 60-64'	Aqueous	ASP 8260	02-Oct-13	03-Oct-13		04-Oct-13		1	LOW	
1310202-001AMS	EP-15AT 60-64'MS	Aqueous	ASP 8260	02-Oct-13	03-Oct-13		04-Oct-13		1	LOW	
1310202-001AMSD	EP-15AT 60-64'MSD	Aqueous	ASP 8260	02-Oct-13	03-Oct-13		04-Oct-13		1	LOW	
1310202-002A	FIELD BLANK	Aqueous	ASP 8260	02-Oct-13	03-Oct-13		04-Oct-13		1	LOW	
1310202-003A	TRIP BLANK	Aqueous	ASP 8260	02-Oct-13	03-Oct-13		04-Oct-13		1	LOW	
1310202-004A	STORAGE BLANK	Aqueous	ASP 8260	03-Oct-13	03-Oct-13		04-Oct-13		1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: BER128

Analytical Requirements

Customer Sample Code	Laboratory Sample Code	MSVOA
EP-13 @ 60-62'	1310705-001	X
EP-18 @ 60-62'	1310705-002	X
GW-061013 @ 20-24'	1310705-003	X
GW-061013 @ 30-34'	1310705-004	X
GW-061013 @ 40-44'	1310705-005	X
GW-061013 @ 50-54'	1310705-006	X
GW-061013 @ 60-64'	1310705-007	X
GW-071013 @ 20-24'	1310705-008	X
GW-071013 @ 30-34'	1310705-009	X
GW-071013 @ 40-44'	1310705-010	X
GW-071013 @ 50-54'	1310705-011	X
GW-071013 @ 60-64'	1310705-012	X
GW-081013 @ 20-24'	1310705-013	X
GW-081013 @ 30-34'	1310705-014	X
GW-081013 @ 40-44'	1310705-015	X
GW-081013 @ 50-54'	1310705-016	X
GW-081013 @ 60-64'	1310705-017	X
GW-091013 @ 20-24'	1310705-018	X
GW-091013 @ 30-34'	1310705-019	X
GW-091013 @ 40-44'	1310705-020	X
GW-091013 @ 50-54'	1310705-021	X
GW-091013 @ 60-64'	1310705-022	X
FIELD BLANK	1310705-023	X
TRIP BLANK	1310705-024	X
STORAGE BLANK	1310705-025	X

CLP, Non-CLP (Please indicate year of protocol) ASP B 2000
TCL/TAL, HSL, Priority Pollutant,

11/1/13

BER128 S3

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: BER128

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
1310705-001A	EP-13 @ 60-62'	Aqueous	SW8260	10-Oct-13	11-Oct-13		14-Oct-13		1	LOW	
1310705-001AMS	EP-13 @ 60-62'MS	Aqueous	SW8260	10-Oct-13	11-Oct-13		14-Oct-13		1	LOW	
1310705-001AMSD	EP-13 @ 60-62'MSD	Aqueous	SW8260	10-Oct-13	11-Oct-13		14-Oct-13		1	LOW	
1310705-002A	EP-18 @ 60-62'	Aqueous	SW8260	10-Oct-13	11-Oct-13		14-Oct-13		1	LOW	
1310705-003A	GW-061013 @ 20-24'	Aqueous	SW8260	10-Oct-13	11-Oct-13		14-Oct-13		1	LOW	
1310705-004A	GW-061013 @ 30-34'	Aqueous	SW8260	10-Oct-13	11-Oct-13		14-Oct-13		1	LOW	
1310705-005A	GW-061013 @ 40-44'	Aqueous	SW8260	10-Oct-13	11-Oct-13		14-Oct-13		1	LOW	
1310705-006A	GW-061013 @ 50-54'	Aqueous	SW8260	10-Oct-13	11-Oct-13		14-Oct-13		1	LOW	
1310705-007A	GW-061013 @ 60-64'	Aqueous	SW8260	10-Oct-13	11-Oct-13		14-Oct-13		1	LOW	
1310705-008A	GW-071013 @ 20-24'	Aqueous	SW8260	10-Oct-13	11-Oct-13		14-Oct-13		1	LOW	
1310705-009A	GW-071013 @ 30-34'	Aqueous	SW8260	10-Oct-13	11-Oct-13		14-Oct-13		1	LOW	
1310705-010A	GW-071013 @ 40-44'	Aqueous	SW8260	10-Oct-13	11-Oct-13		15-Oct-13		1	LOW	
1310705-011A	GW-071013 @ 50-54'	Aqueous	SW8260	10-Oct-13	11-Oct-13		15-Oct-13		1	LOW	
1310705-012A	GW-071013 @ 60-64'	Aqueous	SW8260	10-Oct-13	11-Oct-13		15-Oct-13		1	LOW	
1310705-013A	GW-081013 @ 20-24'	Aqueous	SW8260	10-Oct-13	11-Oct-13		15-Oct-13		1	LOW	
1310705-014A	GW-081013 @ 30-34'	Aqueous	SW8260	11-Oct-13	11-Oct-13		15-Oct-13		1	LOW	
1310705-015A	GW-081013 @ 40-44'	Aqueous	SW8260	11-Oct-13	11-Oct-13		15-Oct-13		1	LOW	
1310705-016A	GW-081013 @ 50-54'	Aqueous	SW8260	11-Oct-13	11-Oct-13		15-Oct-13		1	LOW	
1310705-017A	GW-081013 @ 60-64'	Aqueous	SW8260	11-Oct-13	11-Oct-13		15-Oct-13		1	LOW	
1310705-018A	GW-091013 @ 20-24'	Aqueous	SW8260	11-Oct-13	11-Oct-13		15-Oct-13		1	LOW	
1310705-019A	GW-091013 @ 30-34'	Aqueous	SW8260	11-Oct-13	11-Oct-13		15-Oct-13		1	LOW	
1310705-020A	GW-091013 @ 40-44'	Aqueous	SW8260	11-Oct-13	11-Oct-13		15-Oct-13		1	LOW	
1310705-021A	GW-091013 @ 50-54'	Aqueous	SW8260	11-Oct-13	11-Oct-13		15-Oct-13		1	LOW	
1310705-022A	GW-091013 @ 60-64'	Aqueous	SW8260	11-Oct-13	11-Oct-13		15-Oct-13		1	LOW	
1310705-023A	FIELD BLANK	Aqueous	SW8260	11-Oct-13	11-Oct-13		14-Oct-13		1	LOW	
1310705-024A	TRIP BLANK	Aqueous	SW8260	11-Oct-13	11-Oct-13		14-Oct-13		1	LOW	
1310705-025a	STORAGE BLANK	Aqueous	SW8260	11-Oct-13	11-Oct-13		14-Oct-13		1	LOW	

Attachment-H

tabulated lab data

VOLATILES BY SW846 METHOD 8260

	BERNINGER ENVIRONMENTAL																		
	Project: FORMER QUICK AND CLEAN																		
	Laboratory: H2M; BER121																		
	Sample Identification:		0113 @ 15-19'			0113 @ 30-34'			0113 @ 40-44'			0113 @ 50-54'			0113 @ 60-64'			0113 @ 70-74'			0213 @ 10-12'			TOGS Standard
	Laboratory ID:		1304656-001A			1304656-002A			1304656-003A			1304656-004A			1304656-005A			1304656-006A			1304656-007A		
	Sampling Date:		04/09			04/09			04/09			04/09			04/09			04/09			04/09		
Cas #	Analyte	Units:																					
-16	Chloromethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	*
-18	Bromomethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	5 ug/L
70	Vinyl Chloride	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	2 ug/L
72	Chloroethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	5 ug/L
64	Methylene Chloride	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	5 ug/L
2	Acetone	ug/L	39	UJ		5	U		5	U		5	U		5	UJ		28	U		26	UJ	*
60	Carbon disulfide	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	*
36	1,1-Dichloroethene	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		3	J	5 ug/L
38	1,1-Dichloroethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	5 ug/L
481	1,2-Dichloroethene (total)	ug/L	240			2	J		2	J		1	J		3	J		35			2400		5 ug/L
-2	Chloroform	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	7 ug/L
99	1,2-Dichloroethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	0.6 ug/L
-18	2-Butanone	ug/L	39			5	U		5	U		5	U		5	U		10			9		*
10	1,1,1-Trichloroethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	5 ug/L
28	Carbon Tetrachloride	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	5 ug/L
44	Bromodichloromethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	*
-14	1,2-Dichloropropane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	1 ug/L
10055	cis-1,3-Dichloropropene	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	0.4 ug/L
72	Trichloroethene	ug/L	8			5	U		5	U		5	U		5	U		5			3	J	5 ug/L
75	Dibromochloromethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	*
74	1,1,2-Trichloroethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	1 ug/L
26	Benzene	ug/L	1	J		5	U		5	U		5	U		5	U		4	J		24		1 ug/L
10053	trans-1,3-Dichloropropene	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	0.4 ug/L
48	Bromoform	ug/L	5	UJ		5	UJ		5	UJ		5	UJ		5	UJ		5	UJ		5	UJ	*
97	4-Methyl-2-Pentanone	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	*
507	2-Hexanone	ug/L	5	U		5	UJ		5	UJ		5	UJ		5	UJ		5	UJ		5	U	*
105	Tetrachloroethene	ug/L	650			55			20			17			64			350			10		5 ug/L
40	1,1,2,2-Tetrachloroethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	5 ug/L
17	Toluene	ug/L	200			4	J		3	J		2	J		10			82			4900		5 ug/L
11	Chlorobenzene	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	5 ug/L
55	Ethylbenzene	ug/L	590			1	J		5	U		5	U		2	J		12			2200		5 ug/L
53	Styrene	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	5 ug/L
1303	Xylene (total)	ug/L	6500			6			5			1	J		12			68			17000		5 ug/L
	Total Tentatively Identified Compounds (TICs)	ug/L	5560	J		16	J		30	J		6	J		73	J		196	J		5090	J	
																							* No Standard

VOLATILES BY SW846 METHOD 8260

Cas #																				
	BERNINGER ENVIRONMENTAL																			
	Project: FORMER QUICK AND CLEAN																			
	Laboratory: H2M; BER121																			
	Sample Identification:		0213 @ 20-22'			0213 @ 30-32'			0313 @ 11-13'			0313 @ 20-22'			0313 @ 30-32'			0413 @ 10-12'			0413 @ 20-22'			TOGS Standard
	Laboratory ID:		1304656-008A			1304656-009A			1304656-010A			1304656-011A			1304656-012A			1304656-013A			1304656-014A		
	Sampling Date:		41373			41373			41373			41374			41374			41374			41374		
Cas #	Analyte	Units:																					
-16	Chloromethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	*
-18	Bromomethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	5 ug/L
70	Vinyl Chloride	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	2 ug/L
72	Chloroethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	5 ug/L
64	Methylene Chloride	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	5 ug/L
2	Acetone	ug/L	10	UJ		6	UJ		20	UJ		110	JN		15	UJ		5	UJ		65	JN	*
60	Carbon disulfide	ug/L	5	U		4	J		5	U		1	J		2	J		5	U		5	U	*
36	1,1-Dichloroethene	ug/L	5	U		5	U		5	U		2	J		5	U		5	U		2	J	5 ug/L
38	1,1-Dichloroethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	5 ug/L
481	1,2-Dichloroethene (total)	ug/L	65	J		15	J		5	U		920			82			17			350		5 ug/L
-2	Chloroform	ug/L	5	U		5	U		8			2	J		5	U		5	U		4	J	7 ug/L
99	1,2-Dichloroethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	0.6 ug/L
-18	2-Butanone	ug/L	6			3	J		13			87			12			3	J		53		*
10	1,1,1-Trichloroethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	5 ug/L
28	Carbon Tetrachloride	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	5 ug/L
44	Bromodichloromethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	*
-14	1,2-Dichloropropane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	1 ug/L
10055	cis-1,3-Dichloropropene	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	0.4 ug/L
72	Trichloroethene	ug/L	5	U		5	U		5	U		4	J		5	U		3	J		1	J	5 ug/L
75	Dibromochloromethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	*
74	1,1,2-Trichloroethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	1 ug/L
26	Benzene	ug/L	2	J		5	U		5	U		18			3	J		5	U		14		1 ug/L
10053	trans-1,3-Dichloropropene	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	0.4 ug/L
48	Bromoform	ug/L	5	UJ		5	UJ		5	UJ		5	UJ		5	UJ		5	UJ		5	UJ	*
97	4-Methyl-2-Pentanone	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	*
507	2-Hexanone	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	*
105	Tetrachloroethene	ug/L	3	J		2	J		3	J		15			5			5			4	J	5 ug/L
40	1,1,2,2-Tetrachloroethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	5 ug/L
17	Toluene	ug/L	580			120			150			5800			670			38			1000		5 ug/L
11	Chlorobenzene	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	5 ug/L
55	Ethylbenzene	ug/L	610			130			170			1600			280			140			460		5 ug/L
53	Styrene	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5	U	5 ug/L
1303	Xylene (total)	ug/L	4500			700			1700			12000			1900			860			3000		5 ug/L
	Total Tentatively Identified Compounds (TICs)	ug/L	4410	J		2140	J		3370	J		4240	J		2700	J		3960	J		2830	J	
																							* No Standard

VOLATILES BY SW846 METHOD 8260

	BERNINGER ENVIRONMENTAL												
	Project: FORMER QUICK AND CLEAN												
	Laboratory: H2M; BER121												
	Sample Identification:		0412 @ 30-32'			Trip Blank			Field Blank			Storage Blank			TOGS Standard	
	Laboratory ID:		1304656-015A			1304656-016A			1304656-017A			1304656-018A				
	Sampling Date:		04/10			04/10			04/10			04/10				
	Analyte	Units:														
Cas #	Chloromethane	ug/L	5	U		5	U		5	U		5	U		*	
-16	Bromomethane	ug/L	5	U		5	U		5	U		5	U		5 ug/L	
-18	Vinyl Chloride	ug/L	5	U		5	U		5	U		5	U		2 ug/L	
70	Chloroethane	ug/L	5	U		5	U		5	U		5	U		5 ug/L	
72	Methylene Chloride	ug/L	5	U		5	U		5	U		21			5 ug/L	
64	Acetone	ug/L	6	U		5	UJ		5	UJ		6	J		*	
2	Carbon disulfide	ug/L	1	J		5	U		5	U		5	U		*	
60	1,1-Dichloroethene	ug/L	5	U		5	U		5	U		5	U		5 ug/L	
36	1,1-Dichloroethane	ug/L	5	U		5	U		5	U		5	U		5 ug/L	
38	1,2-Dichloroethene (total)	ug/L	87	J		5	U		5	U		5	U		5 ug/L	
481	Chloroform	ug/L	2	J		5	U		5	U		5	U		7 ug/L	
-2	1,2-Dichloroethane	ug/L	5	U		5	U		5	U		5	U		0.6 ug/L	
99	2-Butanone	ug/L	4	J		5	U		5	U		5	U		*	
-18	1,1,1-Trichloroethane	ug/L	5	U		5	U		5	U		5	U		5 ug/L	
10	Carbon Tetrachloride	ug/L	5	U		5	U		5	U		5	U		5 ug/L	
28	Bromodichloromethane	ug/L	5	U		5	U		5	U		5	U		*	
44	1,2-Dichloropropane	ug/L	5	U		5	U		5	U		5	U		1 ug/L	
-14	cis-1,3-Dichloropropene	ug/L	5	U		5	U		5	U		5	U		0.4 ug/L	
10055	Trichloroethene	ug/L	5	U		5	U		5	U		5	U		5 ug/L	
72	Dibromochloromethane	ug/L	5	U		5	U		5	U		5	U		*	
75	1,1,2-Trichloroethane	ug/L	5	U		5	U		5	U		5	U		1 ug/L	
74	Benzene	ug/L	5	U		5	U		5	U		5	U		1 ug/L	
26	trans-1,3-Dichloropropene	ug/L	4	J		5	U		5	U		5	U		0.4 ug/L	
10053	Bromoform	ug/L	5	UJ		5	UJ		5	UJ		5	UJ		*	
48	4-Methyl-2-Pentanone	ug/L	5	U		5	U		5	U		5	U		*	
97	2-Hexanone	ug/L	5	UJ		5	U		5	U		5	U		*	
507	Tetrachloroethene	ug/L	2	J		5	U		5	U		5	U		5 ug/L	
105	1,1,2,2-Tetrachloroethane	ug/L	5	U		5	U		5	U		5	U		5 ug/L	
40	Toluene	ug/L	110			5	U		5	U		5	U		5 ug/L	
17	Chlorobenzene	ug/L	5	U		5	U		5	U		5	U		5 ug/L	
11	Ethylbenzene	ug/L	100			5	U		5	U		5	U		5 ug/L	
55	Styrene	ug/L	5	U		5	U		5	U		5	U		5 ug/L	
53	Xylene (total)	ug/L	1000			5	U		5	U		5	U		5 ug/L	
1303	Total Tentatively Identified Compounds (TICs)	ug/L	1780	J		0			0			0			*	
															* No Standard	

VOLATILES BY SW846 METHOD 8260

	BERNINGER ENVIRONMENTAL																	
	Project: FORMER QUICK AND CLEAN																	
	Laboratory: H2M; BER123																	
	Sample Identification:		GW-0513 @ 10-12'			GW-0513 @ 20-22'			GW-0513 @ 30-32'			Field Blank			Trip Blank			Storage Blank			TOGS
	Laboratory ID:		1306773-001			1306773-002			1306773-003			1306773-004			1306773-005			1306773-006			Standard
	Sampling Date:		6/11/2013			6/11/2013			6/11/2013			6/11/2013			6/11/2013			6/13/2013			
Cas #	Analyte	Units:																			
74-87-3	Chloromethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		*
74-83-9	Bromomethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5 ug/L
75-01-4	Vinyl Chloride	ug/L	1	J		3	J		5	U		5	U		5	U		5	U		2 ug/L
75-00-3	Chloroethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5 ug/L
75-09-2	Methylene Chloride	ug/L	5	U		5	U		1	J		5	U		5	U		5	U		5 ug/L
67-64-1	Acetone	ug/L	32	U		5	U		30	U		7			5	U		5	U		*
75-15-0	Carbon disulfide	ug/L	4	J		5	U		19			5	U		5	U		5	U		*
75-35-4	1,1-Dichloroethene	ug/L	5	U		1	J		5	U		5	U		5	U		5	U		5 ug/L
75-34-3	1,1-Dichloroethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5 ug/L
540-59-0	1,2-Dichloroethene (total)	ug/L	27			250	J		8			5	U		5	U		5	U		5 ug/L
67-66-3	Chloroform	ug/L	1	J		5	U		5	U		5	U		5	U		5	U		7 ug/L
107-06-2	1,2-Dichloroethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		0.6 ug/L
78-93-3	2-Butanone	ug/L	10	U		5	U		19	U		2	J		5	U		5	U		*
71-55-6	1,1,1-Trichloroethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5 ug/L
56-23-5	Carbon Tetrachloride	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5 ug/L
75-27-4	Bromodichloromethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		*
78-87-5	1,2-Dichloropropane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		1 ug/L
10061-01-5	cis-1,3-Dichloropropene	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		0.4 ug/L
79-01-6	Trichloroethene	ug/L	11			5	J		5	U		5	U		5	U		5	U		5 ug/L
124-48-1	Dibromochloromethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		*
79-00-5	1,1,2-Trichloroethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		1 ug/L
71-43-2	Benzene	ug/L	5	U		48	J		2	J		5	U		5	U		5	U		1 ug/L
10061-02-6	trans-1,3-Dichloropropene	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		0.4 ug/L
75-25-2	Bromoform	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		*
108-10-1	4-Methyl-2-Pentanone	ug/L	5	UJ		5	UJ		5	UJ		5	UJ		5	UJ		5	UJ		*
591-78-6	2-Hexanone	ug/L	5	UJ		5	UJ		5	UJ		5	UJ		5	UJ		5	UJ		*
127-18-4	Tetrachloroethene	ug/L	16			7			5	U		5	U		5	U		5	U		5 ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5 ug/L
108-88-3	Toluene	ug/L	7			2800	D		190			5	U		5	U		5	U		5 ug/L
108-90-7	Chlorobenzene	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5 ug/L
100-41-4	Ethylbenzene	ug/L	40			430	D		37			5	U		5	U		5	U		5 ug/L
100-42-5	Styrene	ug/L	5	U		5	U		5	U		5	U		5	U		5	U		5 ug/L
1330-20-7	Xylene (total)	ug/L	440			6300	D		510			5	U		5	U		5	U		5 ug/L
	Total Tentatively Identified Compounds (TICs)	ug/L	1110	J		4310	J		1620	J		0			0			0			

	BERNINGER ENVIRONMENTAL																
	Project: FORMER QUICK AND CLEAN																
	Laboratory: H2M; BER126, BER128																
	Sample Identification:		EP-15 @ 60-64'		Field Blank		Trip Blank		EP-13 @ 60-62'		EP-18 @ 60-62'		GW-061013 @ 20-24'		GW-061013 @ 30-34'		TOGS Standard
	Laboratory ID:		1310202-001		1310202-002		1310202-003		1310705-001		1310705-002		1310705-003		1310705-004		
	Sampling Date:		10/2/2013		10/2/2013		10/2/2013		10/10/2013		10/10/2013		10/10/2013		10/10/2013		
Cas #	Analyte	Units:															
74-87-3	Chloromethane	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	*
74-83-9	Bromomethane	ug/L	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	5 ug/L
75-01-4	Vinyl Chloride	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	2 ug/L
75-00-3	Chloroethane	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
75-09-2	Methylene Chloride	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
67-64-1	Acetone	ug/L	5	UJ	3	J	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	*
75-15-0	Carbon disulfide	ug/L	5	UJ	5	U	5	U	1	J	2	J	5	U	5	U	*
75-35-4	1,1-Dichloroethene	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
75-34-3	1,1-Dichloroethane	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
540-59-0	1,2-Dichloroethene (total)	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
67-66-3	Chloroform	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	7 ug/L
107-06-2	1,2-Dichloroethane	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	0.6 ug/L
78-93-3	2-Butanone	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	*
71-55-6	1,1,1-Trichloroethane	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
56-23-5	Carbon Tetrachloride	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
75-27-4	Bromodichloromethane	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	*
78-87-5	1,2-Dichloropropane	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	1 ug/L
10061-01-5	cis-1,3-Dichloropropene	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	0.4 ug/L
79-01-6	Trichloroethene	ug/L	5	UJ	5	U	5	U	5	U	2	J	5	U	1	J	5 ug/L
124-48-1	Dibromochloromethane	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	*
79-00-5	1,1,2-Trichloroethane	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	1 ug/L
71-43-2	Benzene	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	1 ug/L
10061-02-6	trans-1,3-Dichloropropene	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	0.4 ug/L
75-25-2	Bromoform	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	*
108-10-1	4-Methyl-2-Pentanone	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	*
591-78-6	2-Hexanone	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	*
127-18-4	Tetrachloroethene	ug/L	29	J	5	U	5	U	16		36		2	J	6		5 ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
108-88-3	Toluene	ug/L	5	UJ	5	U	5	U	5	UJ	5	UJ	5	UJ	5	UJ	5 ug/L
108-90-7	Chlorobenzene	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
100-41-4	Ethylbenzene	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
100-42-5	Styrene	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
1330-20-7	Xylene (total)	ug/L	5	UJ	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
	Total Tentatively Identified Compounds (TICs)	ug/L	11	J	0		0		0		13	J	0		6	J	
																	* No Standard

VOLATILES BY SW846 METHOD 8260

	BERNINGER ENVIRONMENTAL																	
	Project: FORMER QUICK AND CLEAN																	
	Laboratory: H2M; BER126, BER128																	
	Sample Identification:		GW-061013 @ 40-44'		GW-061013 @ 50-54'		GW-061013 @ 60-64'		GW-071013 @ 20-24'		GW-071013 @ 30-34'		GW-071013 @ 40-44'		GW-071013 @ 50-54'		TOGS Standard
	Laboratory ID:		1310705-005		1310705-006		1310705-007		1310705-008		1310705-009		1310705-010		1310705-011		
	Sampling Date:		10/10/2013		10/10/2013		10/10/2013		10/10/2013		10/10/2013		10/10/2013		10/10/2013		
Cas #	Analyte	Units:															
74-87-3	Chloromethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	*
74-83-9	Bromomethane	ug/L	**5**	**UJ**	**5**	**UJ**	**5**	**UJ**	5	UJ	5	U	5	U	5	U	5 ug/L
75-01-4	Vinyl Chloride	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	2 ug/L
75-00-3	Chloroethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
75-09-2	Methylene Chloride	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
67-64-1	Acetone	ug/L	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	*
75-15-0	Carbon disulfide	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	*
75-35-4	1,1-Dichloroethene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
75-34-3	1,1-Dichloroethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
540-59-0	1,2-Dichloroethene (total)	ug/L	5	U	5	U	5	U	5	U	2	J	5	U	5	U	5 ug/L
67-66-3	Chloroform	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	7 ug/L
107-06-2	1,2-Dichloroethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	0.6 ug/L
78-93-3	2-Butanone	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	*
71-55-6	1,1,1-Trichloroethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
56-23-5	Carbon Tetrachloride	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
75-27-4	Bromodichloromethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	*
78-87-5	1,2-Dichloropropane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	1 ug/L
10061-01-5	cis-1,3-Dichloropropene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	0.4 ug/L
79-01-6	Trichloroethene	ug/L	5	U	5	U	5	U	5	U	4	J	5	U	5	U	5 ug/L
124-48-1	Dibromochloromethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	*
79-00-5	1,1,2-Trichloroethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	1 ug/L
71-43-2	Benzene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	1 ug/L
10061-02-6	trans-1,3-Dichloropropene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	0.4 ug/L
75-25-2	Bromoform	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	*
108-10-1	4-Methyl-2-Pentanone	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	*
591-78-6	2-Hexanone	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	*
127-18-4	Tetrachloroethene	ug/L	5	U	5	U	5	U	5		63		5	U	5	U	5 ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
108-88-3	Toluene	ug/L	5	UJ	5	UJ	5	UJ	5	UJ	5	U	5	U	5	U	5 ug/L
108-90-7	Chlorobenzene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
100-41-4	Ethylbenzene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
100-42-5	Styrene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
1330-20-7	Xylene (total)	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
	Total Tentatively Identified Compounds (TICs)	ug/L	**5**	**J**	**6**	**J**	**0**		**0**		**0**		**45**	**J**	**7**	**J**	
																	* No Standard

VOLATILES BY SW846 METHOD 8260

	BERNINGER ENVIRONMENTAL																	
	Project: FORMER QUICK AND CLEAN																	
	Laboratory: H2M; BER126, BER128																	
	Sample Identification:		GW-071013 @ 60-64'		GW-081013 @ 20-24'		GW-081013 @ 30-34'		GW-081013 @ 40-44'		GW-081013 @ 50-54'		GW-081013 @ 60-64'		GW-091013 @ 20-24'		TOGS Standard
	Laboratory ID:		1310705-012		1310705-013		1310705-014		1310705-015		1310705-016		1310705-017		1310705-018		
	Sampling Date:		10/10/2013		10/11/2013		10/11/2013		10/11/2013		10/11/2013		10/11/2013		10/11/2013		
Cas #	Analyte	Units:															
74-87-3	Chloromethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	*
74-83-9	Bromomethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
75-01-4	Vinyl Chloride	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	2 ug/L
75-00-3	Chloroethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
75-09-2	Methylene Chloride	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
67-64-1	Acetone	ug/L	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	5	UJ	*
75-15-0	Carbon disulfide	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	*
75-35-4	1,1-Dichloroethene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
75-34-3	1,1-Dichloroethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
540-59-0	1,2-Dichloroethene (total)	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
67-66-3	Chloroform	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	7 ug/L
107-06-2	1,2-Dichloroethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	0.6 ug/L
78-93-3	2-Butanone	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	*
71-55-6	1,1,1-Trichloroethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
56-23-5	Carbon Tetrachloride	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
75-27-4	Bromodichloromethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	*
78-87-5	1,2-Dichloropropane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	1 ug/L
10061-01-5	cis-1,3-Dichloropropene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	0.4 ug/L
79-01-6	Trichloroethene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
124-48-1	Dibromochloromethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	*
79-00-5	1,1,2-Trichloroethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	1 ug/L
71-43-2	Benzene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	1 ug/L
10061-02-6	trans-1,3-Dichloropropene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	0.4 ug/L
75-25-2	Bromoform	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	*
108-10-1	4-Methyl-2-Pentanone	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	*
591-78-6	2-Hexanone	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	*
127-18-4	Tetrachloroethene	ug/L	5	U	10		5	U	5	U	5	U	5	U	33		5 ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
108-88-3	Toluene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
108-90-7	Chlorobenzene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
100-41-4	Ethylbenzene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
100-42-5	Styrene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
1330-20-7	Xylene (total)	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
	Total Tentatively Identified Compounds (TICs)	ug/L	8	J	0		9	J	10	J	0		0		0		
																	* No Standard

VOLATILES BY SW846 METHOD 8260

	BERNINGER ENVIRONMENTAL															
	Project: FORMER QUICK AND CLEAN															
	Laboratory: H2M; BER126, BER128															
	Sample Identification:		GW-091013 @ 30-34'		GW-091013 @ 40-44'		GW-091013 @ 50-54'		GW-091013 @ 60-64'		Field Blank		Trip Blank		TOGS Standard
	Laboratory ID:		1310705-019		1310705-020		1310705-021		1310705-022		1310705-023		1310705-024		
	Sampling Date:		10/11/2013		10/11/2013		10/11/2013		10/11/2013						
Cas #	Analyte	Units:													
74-87-3	Chloromethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	*
74-83-9	Bromomethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
75-01-4	Vinyl Chloride	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	2 ug/L
75-00-3	Chloroethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
75-09-2	Methylene Chloride	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
67-64-1	Acetone	ug/L	5	UJ	5	UJ	6	UJ	5	UJ	2	J	5	UJ	*
75-15-0	Carbon disulfide	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	*
75-35-4	1,1-Dichloroethene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
75-34-3	1,1-Dichloroethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
540-59-0	1,2-Dichloroethene (total)	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
67-66-3	Chloroform	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	7 ug/L
107-06-2	1,2-Dichloroethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	0.6 ug/L
78-93-3	2-Butanone	ug/L	5	U	5	U	1	J	5	U	5	U	5	U	*
71-55-6	1,1,1-Trichloroethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
56-23-5	Carbon Tetrachloride	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
75-27-4	Bromodichloromethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	*
78-87-5	1,2-Dichloropropane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	1 ug/L
10061-01-5	cis-1,3-Dichloropropene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	0.4 ug/L
79-01-6	Trichloroethene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
124-48-1	Dibromochloromethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	*
79-00-5	1,1,2-Trichloroethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	1 ug/L
71-43-2	Benzene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	1 ug/L
10061-02-6	trans-1,3-Dichloropropene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	0.4 ug/L
75-25-2	Bromoform	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	*
108-10-1	4-Methyl-2-Pentanone	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	*
591-78-6	2-Hexanone	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	*
127-18-4	Tetrachloroethene	ug/L	7		5	U	1	J	5	U	5	U	5	U	5 ug/L
79-34-5	1,1,2,2-Tetrachloroethane	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
108-88-3	Toluene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
108-90-7	Chlorobenzene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
100-41-4	Ethylbenzene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
100-42-5	Styrene	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
1330-20-7	Xylene (total)	ug/L	5	U	5	U	5	U	5	U	5	U	5	U	5 ug/L
	Total Tentatively Identified Compounds (TICs)	ug/L	0		26	J	24	J	0		0		0		
															* No Standard