REMEDIAL INVESTIGATION REPORT

FOR
ROSE CLEANERS
500 Lexington Avenue
Mount Kisco, New York 10549
Site No.: 3-60-059
Index No.: W3-0978-03-12

PREPARED FOR

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION
625 BROADWAY
ALBANY, NEW YORK 12233-7016

PREPARED BY

BERNINGER ENVIRONMENTAL, INC.

BEi

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TABLE OF CONTENTS

Table of Contents (continued)

List of Tables

List of Figures

List of Appendices

EXECUTIVE SUMMARY

Tasks 1 to 6 of the approved Remedial Investigation Work Plan were performed at the Rose Cleaners, (Site Number 3-60-059) located at 500 Lexington Avenue, Mt. Kisco, New York 10549 by Berninger Environmental Inc. (BEI) during May - October 2005.

The primary purpose of the remedial investigation was to delineate the areal and vertical extent of tetrachloroethene (PCE) and its breakdown products in all site media that may be at or emanating from the subject property. Additional objectives include the development of site-specific data to allow an evaluation of the actual and potential impacts to public health and the environment; selection and design of remedial action alternatives; and identification of potential feasible cleanup technologies and presumptive remedies.

Soil Gas Investigation

Tetrachloroethene was detected at all nine soil gas sampling locations; the highest concentrations were reported at sampling locations that coincide with the soil data that documents PCE impacts at the north side of the building. Concentrations of PCE in excess of 100,000 ug/m^3 to 560,000 ug/m^3 were noted at sampling locations at the north side of the building. Other sampling locations that reported elevated PCE concentrations (in excess of 100 ug/m^3) were the southwestern property perimeter, area proximate to North Castle Drive and locations along Lexington Avenue. The full range of typical dry-cleaning VOCs were present at many of the same soil gas sampling locations at elevated concentrations. Petroleum-related constituents and/or miscellaneous VOCs were also reported at isolated soil gas sampling locations.

Soil Investigation

As prior studies had already identified specific areas of soil contamination, the soil sampling was biased toward the north side of the building and included other potential suspect areas such as the rear of the building, exterior to doors, exhaust fans, the historic dumpster location, etc. A total of thirteen soil borings were installed across the subject property. Dry-cleaning VOCs were present in the soil samples at elevated concentrations. The highest concentrations of soil impacts were present at north- northwest exterior sides of the building, near old exhaust pipes. Concentrations of PCE were also present within the shallow subsurface soils within the historic dumpster area.

Groundwater Investigation

The presence of groundwater impacts had not been previously confirmed at the subject parcel. During the remedial investigation, groundwater samples were obtained within the same borehole as the soil samples to provide comparable data. Thirty groundwater samples were collected from 13 temporary monitoring wells completed at ten foot intervals below the groundwater table interface (e..g, 15-17 feet bgs and 25-27 feet bgs). All but one (GW-9) of the groundwater sampling locations reported elevated concentrations of dry-cleaning related VOCs above their respective NYSDEC SGVs. PCE is the primary constituent present at the highest concentrations (up to 300,000 *ug*/L) with the exception of one sampling location (GW-1) at the northwest corner of the building wherein daughter products of PCE such as vinyl chloride predominated. The highest concentrations of PCE

were present in the shallow groundwater samples collected at the northwest and north sides of the building consistent with the soil sampling data at these locations. As groundwater flow direction has not been definitively established prior to the collection of groundwater samples, no confirmative upgradient groundwater sampling data was developed during the remedial investigation. Upgradient groundwater quality data will be developed under the next phase of groundwater investigation/delineation. Upon the completion of the field work, localized groundwater flow direction was confirmed to be to the northwest.

Surface Water and Sediment

During the remedial investigation, two (one upstream and one downstream) surface water samples were collected. A water sample was also collected from an upstream culvert that was determined to influence the surface water in the creek, prior to the Rose Cleaners site. Five sediment samples (one upstream, three in the central portion of the stream and one downstream) were collected along the linear path of the stream channel. Two of the five sediment sample locations were collected at the same location as the surface water sampling locations.

Sampling of the upgrade culvert revealed the presence of four incidental (non-site related) VOCs, either in conformance, or slightly above the NYSDEC water quality SGVs. The second surface water sample collected upstream of the Rose Cleaners property did not report VOCs present above their respective method detection limits. The third surface water sample collected at the farthest downstream extent of the Rose Cleaners reported three site-related VOCs with PCE at a concentration above its respective SGV.

The first sediment sample collected upstream of the Rose Cleaners property noted only three incidental VOCs below any available sediment screening criteria. No VOCs were present at the second sediment sampling location representative of discharges emanating from the on-site drainage pipe from the paved areas at the Rose Cleaners. The third sediment sample reflective of another drainage pipe originating from the rear of the Rose Cleaners building reported two upstream VOCs that appear to be non-site related. The fourth sediment sample collected directly opposite the southwest edge of the Rose Cleaners building, near the soil site impacts reported two site-related VOCs; however, same were below the sediment screening criteria, if available. The fifth sediment sample located at the farthest downstream reported site-related VOCs; however, none were above the NYSDEC sediment screening levels, if available.

Geophysical Survey and Drainage Investigation

A geophysical survey was performed to identify the possible presence of underground structures such as sanitary or wastewater disposal systems. BEI conducted a magnetometer survey to investigate the area surrounding the building. BEI evaluated the area around the Rose Cleaners building for objects bigger than four square feet. The results of the magnetometer survey revealed one sizeable magnetic anomaly. This anomaly was subsequently identified to be an approximate 5,000 gallon No. 2 fuel oil tank that was abandoned in place by the property owner circa 1992. Other small scale magnetic anomalies were noted; same were excavated and identified as scrap metal. No other site features were identified that required further evaluation during the remedial investigation.

Exposure Assessment

The evaluation of the soil exposure pathway indicated that direct contact with VOC-impacted soils can occur if workers or trespassers access the north side of the building. Furthermore, direct contact will likely occur to remediation workers during remediation. Therefore, this exposure pathway is considered complete and immediate action in the form of fencing is recommended for installation to prohibit inadvertent exposure of shallow soils at the north side of the building until remediation can be performed. Under the remediation scenario, appropriate health and safety provisions will be undertaken to mitigate this exposure pathway.

In light of the findings of the soil gas sampling, the potential exists that the inhalation exposure pathway may be a significant issue both on- and off-property. However, although elevated soil gas concentrations exist, both on-site and at the property perimeters, the actual presence of VOCs in indoor air, ambient air, on- or off-site has not yet been quantified. The perimeter sampling locations reported high concentrations of PCE and other VOCs in soil gas clearly necessitating further evaluation of potential off-site receptors. Supplemental testing is required to evaluate the area surrounding the subject property.

A current evaluation of indoor air quality is not feasible within Rose Cleaners given the on-site use of dry-cleaning chemicals. Furthermore, whether or not there is a completed soil gas inhalation exposure pathway within the Rose Cleaners property, it is occupied by workers wherein OSHA generally takes the lead role in addressing occupational exposures. It is acknowledged that this pathway will require evaluation subsequent to remediation, for the future occupants' scenario.

The outdoor inhalation pathway was not considered to be complete at the occupied area of the subject property as the majority of the property is paved with asphalt in good condition or covered by a building. The northern exposed soil area with shallow PCE-impacts was noted to be unoccupied with no access from the interior of the building. A fence is proposed for installation to mitigate this exposure pathway until remediation can be performed.

As prior research has confirmed that potable water is supplied to the property and surrounding area by the municipal water authority, the ingestion of impacted groundwater is not a completed exposure pathway. Furthermore, BEI has performed a private well survey as requested by the NYSDOH, confirming that all adjoining addresses are connected to municipal water supply.

The surface water and sediment sampling has confirmed the discharge of dry-cleaning chemicals into the creek. The creek is not knowingly used for potable water supply and it serves as drainage receptor for numerous commercial businesses and residences, increasing the potential for additional uncontrolled off-site impacts. Although impacts are present, no completed exposure pathway via ingestion has been identified at this time. However, as the sediment contaminant concentrations do not exceed applicable criteria, no specific impacts have yet been identified to marine and/or the aquatic ecosystems.

Continued Remedial Investigation and Interim Remedial Measure

Based upon the above, BEI has identified supplemental investigatory data needs for this property. As tetrachloroethene was detected at all soil gas sampling locations, supplemental off-property soil gas is required. A work plan will be prepared that proposes a tiered approach in which a first phase of supplemental off-site soil gas sampling will be performed, with subsequent phases that will include sub slab sampling and/or indoor air quality at potential off-site receptors, as necessary.

Supplemental soil sampling will be proposed to be performed inside and exterior to the dry cleaner building to further identify the presence of sub-grade PCE source areas. Supplemental off-site groundwater data collection will be proposed to the east-southeast (upgradient), west, north and northwest is necessary to delineate the PCE plume. Supplemental depths will be sampled within the aquifer as necessary to vertically define the PCE and related VOC impacts Aquifer characteristics will be determined through methods such as slug testing or equivalent. Based upon the results of supplemental groundwater sampling, a multi-level permanent monitoring well network will be proposed for installation to allow for remedial decision making and future monitoring of remedial actions.

An updated evaluation of the sensitive receptors in the area will be generated based upon the development of more off-property data. Furthermore, the off-property groundwater data will be used to further evaluate potential impacts and exposure assessment relative to surface water, sediment and other media.

As surficial soil impacts have been identified, the remedial work plan will include a scope of work for the interim remediation measure to address the soil area located at the north side of the building.

Supplemental studies such as pilot testing, slug tests, hydrometer analyses of soils, etc. may be required to determine the most feasible presumptive remedy for site soils and/or groundwater. These will be proposed on an as-needed basis as the site investigation continues.

1.0 INTRODUCTION

1.1 Remedial Investigation

This Inactive Hazardous Waste Disposal Site (IHWDS) Remedial Investigation Report (RI Report) has been developed pursuant to the requirements of an executed Order on Consent (December 22, 2003) between the New York State Department of Environmental Conservation (NYSDEC), Division of Environmental Remediation (DER), and LRB Cleaners, Inc., the Respondent. The subject property is listed on the NYSDEC DER Registry of Inactive Hazardous Waste Disposal Sites in New York State as Site Number 3-60-059 with a Classification of 2 pursuant to ECL 27-1305. The site is located at 500 Lexington Avenue, Mt. Kisco, New York 10549, fully described at Dist. 80.64, Section 01, Lot 14. An IHWDS Remedial Investigation Work Plan was directed as part of the Order on Consent to determine the nature and extent of site contamination and off-site migration pathways in order to allow a decision by the NYSDEC DER regarding remedial action required to be undertaken at said site and/or off-site areas. This report was prepared in accordance with the Technical Administrative Guidance Memorandum (TAGM) 4025 "Guidelines for Conducting Remedial Investigation/Feasibility Studies, March 1989".

The purpose of an IHWDS Remedial Investigation is to:

- Determine the nature and delineate the areal and vertical extent of contamination in all media for each area of concern or emanating from the site;
- Delineate the surface and subsurface environmental media, including topography and depth to groundwater;
- Identify the source(s) of contamination, migration paths and actual or potential receptors of contamination on or through air, soil, sediment, groundwater, surface water, utilities and structures at the site without regard to property boundaries;
- Collect and evaluate all necessary data to evaluate the actual and potential impact to public health and the environment;
- Collect and evaluate information for a Fish and Wildlife Resource Impact Analysis (if necessary);

- Collect data to facilitate selection and design of remedial action alternatives; and
- Identify collected data needed for monitoring natural attenuation, potential feasible cleanup technologies and presumptive remedies.

Task 1 (Piezometer Installation/Determination of Groundwater Flow Direction), Task 2 (Soil Gas Investigation), Task 3 (Soil Investigation), Task 4 (Groundwater Investigation) and Task 5 and 6 (Surface Water and Sediment Investigation) of the approved Investigation Work Plan were implemented by Berninger Environmental Inc. (BEI) at the Rose Cleaners property during May - October 2005. Data validation was performed and completed in August-October 2005.

1.2. Site Background and History of Use

Site Name: Rose Cleaners
Owner:LRB Cleaners, Inc.
Operator: Hwa-Young Kim
Location: 500 Lexington Avenue, Mount Kisco, New York 10549
Latitude 41° 12' 16.914 N, Longitude 73° 43' 42.489" W
Remedial Investigation Agreement: IHWDS Site No.: 3-60-059
Index No.: W3-0978-03-12

The current site development consists of a one-story concrete block/masonry slab-on-grade approximately 5,810 ft^2 building. The building possesses a built-up metal flat roof. The building was remodeled in 1955 and 1962. A 100-ft^2 fur vault was added in addition to partitioned office spaces. Approximately 10,900 ft^2 of asphalt paving (installed circa 1955 and maintained thereafter) is present exterior to the building. The property has always been used as a cleaning plant/facility. A tenant is located at the rear of the building; the date of occupancy by the tenant is unknown. The tenant is a plumbing company that uses the building space primarily as a warehouse for plumbing supplies.

Site History and Land Use

The subject site is a dry cleaner located in a commercial area of Lexington Avenue in Mount

Kisco, New York (see Figure 1 and Photographic Log in Appendix A). The commercially-developed property is located on the west side of Lexington Avenue in the Village/Town of Mount Kisco, New York. The property consists of an irregular shaped lot (See Figure 2), with a fronting of 64.87 feet along Lexington Avenue. The southern portion of the subject property extends 215.74 feet in an east-west direction, with a smaller, east-west profile to the north. The rear undeveloped portion of the property has a 99.96 foot fronting on New Castle Drive to the west.

The property was developed for use as a cleaning facility in 1955, as evidenced by Village of Mount Kisco building permit No. 1476, dated November 24, 1955. The initial building structure was approximately 3,694 ft^2 with an addition of approximately 2,158 ft^2 built in 1962 as per Village of Mount Kisco building permit No. 1934, dated January 19, 1961. The property owner is listed as Lexington Avenue Realty Corp. in January 1955. LRB Cleaners, Inc. appears on the tax card as of 1965. Prior to 1955, the owner of the undeveloped land is listed as Emerson W. Heuss and Bernard Rose as of October 6, 1953. No records were available prior to 1953. The Village of Mount Kisco lists the current owner of record as LRB Cleaners, Inc. In 1967, a small addition to the front of the building was added.

A current facility operator has been confirmed to be Hwa-Young Kim from 2001 to present (facility still retained the name of Rose Cleaners). Mr. Kim's occupancy dates from October 2001 at which time a 4th generation dry-cleaning machine was installed. Prior to Mr. Kim, Min Koo Lee is listed as the operator from before August 1995 to the middle of 2001 (facility still retained the name of Rose Cleaners). At that time (circa 1995 to 2001) a 3rd generation dry-cleaning machine was used. A tenant is located at the rear of the building. The tenant, Mark Lasar, is a plumbing and heating company; the current use of that portion of the subject property is for a warehouse type operation for plumbing supplies.

Adjacent Property Land Use

The area surrounding the subject property has been and is currently used for retail, commercial purposes and residential housing. In particular, the adjacent property's current uses include:

North: Commercial/retail establishments such as 486 Lexington Avenue known as Preferred Auto Appearance performing auto-body detailing, Lexington Avenue Automotive Service, and other commercial establishments.

South: Commercial/retail establishments, antique store, restaurant (Lexington Café), Laundromat, gasoline station (Mobil).

East: Directly to the east is Lexington Avenue, followed by residential locations, 497 and 499 Lexington Avenue. A Hudson Valley Bank building located to the southeast with other commercial/retail establishments to the northeast

West: Directly to the west is a stream (tributary to Mount Kisco River, which leads to Howlands Lake). Further to the west is a residential development, along New Castle Drive (40, 54 and 56 New Castle Drive).

1.3 Private Supply Well Search

As required by the NYSDEC and the NYSDOH, BEI performed a private well survey. As part of this survey, BEI was required to inspect the records of the Village of Mount Kisco located at 104 Main Street, Mount Kisco, New York in order to verify the use of (municipal) public water at properties located within proximity to the Rose Cleaners. All of the properties surrounding the cleaners were confirmed to be connected to public water supply. A copy of the public water supply accounts provided by the Village is attached as Appendix B. It was verified that every address listed on the adjoining tax parcels was included in the Village of Mount Kisco municipal water service records. BEI also inspected adjoining parcels for the evidence of private well use (well heads, pumps, etc.); none was observed. BEI also inquired with personnel at abutting properties to confirm municipal water supply. No private potable or other wells were identified during this well search.

2.0 SCOPE OF WORK

The investigation field work performed followed the detailed specifications for the performance of sample collection and analysis of media samples outlined in the approved work plan. An overview of the sampling protocols followed is provided below in addition to the field screening and sampling results. The required community air monitoring program was also performed continuously during the field investigation. A photographic log that documents the field investigation program is provided as Appendix A. Table 1 - Description of Field Screening and Sampling Locations provides summary details (e.g., field screening, sampling locations and depths of samples, etc.) of the field investigation program.

2.1 Issues of Potential Environmental Concern

Prior environmental studies have identified several issues of environmental concern at the subject property. According to the limited historic analytical testing data, elevated concentrations of dry-cleaning related Volatile Organic Compounds (VOCs) were present in shallow soils adjacent to an area of exterior exhaust fans or former storage tanks. Other similar VOCs were present but were below regulatory action levels in shallow soils located exterior to the rear doorway. These soils were at depths between 2.5 and 4 feet below grade surface (bgs). A sample of surface water collected downstream of the subject property reported concentrations of two VOCs above regulatory action levels. The former sampling locations previously evaluated by others are shown in Figure 3.

Therefore, the initial issues of environmental concern identified were the potential for impacts to environmental media (soil, soil gas, groundwater, surface water and sediment) at the subject property. The potential for off-site, downgradient sensitive receptor impact (adjoining surface water (creek) and residences) was also identified as an issue of concern. Additionally, it was determined that the potential exists for subsurface soil gas vapor migration to potential off-site exposure points and that same required evaluation.

2.2 Work Scope

The following tasks of the remedial investigation were implemented in the manner described below:

Task 1 - Piezometer Installation & Elevation Survey

On June 1, 2005, three (3) shallow groundwater piezometers were installed at the subject property to determine the direction of groundwater flow and other aquifer characteristics specific to the study site (see Figure 4). A Geoprobe drilling system was used to install the three piezometers to a total depth of 10 feet below grade surface (bgs), based upon a measured depth to water of approximately 4 feet bgs. Therefore, well construction consisted of 8 feet of 1 inch diameter, Schedule 40, 0.010 inch slotted well screen set to approximately two feet above the groundwater table interface and six feet below. Approximately 2 feet of 1 inch diameter, Schedule 40, flush joint threaded riser pipe was used to finish the wells to grade. No soil sampling was performed during well installation; however, soil borings were installed adjacent to each of the well locations. A 5-inch cast iron flush mount manhole cover was cemented in place to complete the installation.

Surveying the surface of the groundwater table was necessary to calculate the direction and velocity of groundwater flow. Upon completion of the wells, a small v-shaped notch was placed at the north side of the well casing as a future measuring point. The elevation of the top of the well casing was provided to 0.01 foot and the well location to 0.10 foot. A copy of the survey was provided to BEI in November 2005. Depth to groundwater was measured from each well to the nearest 0.01 foot using a sonic interface probe on June 1, 2005 and October 24, 2005.

Localized groundwater flow direction has been determined to be to the northwest (See Figure 5), consistent with the anticipated groundwater flow direction based upon topography and proximity to the creek. The horizontal groundwater flow gradient has been determined to be 0.014 ft/ ft. based upon a slope of 2.5 ft over a distance of 180 feet at the subject property.

June 1, 2005

MW-1	MW-2	MW-3
Survey Elevation: 314.65	Survey Elevation: 313.87	Survey Elevation: 314.13
Depth to GW: 5.07	Depth to GW: 4.02	Depth to GW: 3.14
GW Elevation: 309.58	GW Elevation: 309.85	GW Elevation: 310.99

October 24, 2005

MW-1	MW-2	MW-3
Survey Elevation: 314.65	Survey Elevation: 313.87	Survey Elevation: 314.13
Depth to GW: 3.78	Depth to GW: 3.12	Depth to GW: 2.34
GW Elevation:310.87	GW Elevation: 310.75	GW Elevation: 311.79

Task 2 - Soil Gas Investigation

The concentrations of volatile organic compounds (VOCs) in soil gas were investigated to evaluate the potential for migration of vapors into off-site locations. Locations were selected in concurrence with the approved work plan and as discussed in the field with the NYSDEC Remedial Bureau, Division of Environmental Remediation, Project Manager.

Utilizing a Geoprobe equipped with a Post-Run Tubing System (PRT), an expendable tip and Teflon tubing, discrete soil gas samples were collected from below the asphalt pavement and/or unpaved areas at the site (two feet to 2.5 feet below grade surface [bgs]). This depth was selected in order to make a representation of conditions near building foundations, but was also set at this interval due to the shallow groundwater table.

The PRT tubing was advanced to the pre-determined depth. The expendable point was pushed out and a minimum of a six-inch void was created in the subsurface. The area around the exterior annulus of the PRT tubing was sealed using a quick-setting hydraulic cement. After setting up the sealed penetration using the PRT, the sampling location was sealed inside an inverted plastic bucket. The edge of the inverted bucket was also sealed using a bentonite slurry. A supply of helium was introduced into the bucket in order to evaluate the degree of soil gas circumvention, if any. The tubing volume was purged using small

(personal size) sampling pumps (Model 222-4) operating at a flowrate of less than 0.2 liters per minute. Subsequent to the purging of the tubing volume, a pre-set regulator and dedicated laboratory-prepared summa cannister were used to procure the soil gas sample. During purging and sampling, the flow rate did not exceed 0.2 liters per minute. Upon reaching the desired cannister pressure, the regulator was closed and the cannister was labeled for transport to the laboratory. The sample tubing was then field screened using a Photoionziation Detector (PID). At the end of the field day, the soil gas sample was transported to an off-site laboratory (STL) for analysis for VOCs by TO-14 list constituents by TO-15 methodology. TO-15 methodology allows for the quantification of VOCs to the low level detections in micrograms per cubic meter (*ug/cm*) required by the NYSDOH. After removal of the PRT tubing, the shallow borings associated with the soil gas sampling locations were abandoned by bentonite grout to grade and the asphalt repaired.

A total of nine soil gas sample locations (SG-1 to SG-9) were installed as described above at the subject property (See Figures 6a/6b). Eight of the nine locations (except SG-4) were installed at property perimeters to evaluate the potential for off-site migration of VOCs. The SG-4 location was installed adjacent to the historic dumpster location to confirm soil and groundwater data sampling locations. The SG-3 soil gas sampling location represents the closest sampling location to off-site residential, across the street, New Castle Drive. The closest residence is identified as 40 New Castle Drive. All other abutting structures are commercial.

Task 3 - Soil Investigation

As prior studies had already identified specific areas of soil contamination, the soil sampling performed during this task was biased toward the north side of the building and was expanded to include other potential suspect areas such as the rear of the building, locations exterior to doors, exhaust fans, the historic dumpster location, etc. A summary of the soil boring/soil sampling locations, depth to groundwater and PID field screening responses are presented in Table 1. Additional possible suspect sources, such as any drainage catch basins or out-falls, were evaluated relative to their discharge point by inspecting the interior of the

drainage systems. A geophysical survey (magnetometer survey) was also performed to identify any additional suspect areas that may require sampling.

BEI utilized a Geoprobe model 540M direct push sampling rig portable unit for the collection of field samples. Four feet long soil sampling tools were attached to the drive rods for the collection of continuous undisturbed soil samples. The samples were protected in a dedicated new disposable polyethylene liner that prevents the loss of VOCs prior to field analysis. Each sample was opened and logged to document subsurface conditions including soil types and description of non-soil materials, field instrument measurements and depth to groundwater, when encountered. Any other suspect field characteristics such as the presence of odors, vapors, and soil discoloration were noted. A portion of each sample was placed in a resealable plastic bag and screened for Total Volatile Organic Compounds by a MiniRae 2000, Model PGM 7600 Photoionizer detector (PID) or equivalent. If field measurement readings were detected above background, the soil boring was extended until background (or low concentration) readings were achieved or groundwater was encountered. All sampling equipment was decontaminated between each sampling event.

The sample with the highest field measurement recorded at each boring or the deepest sample collected from a non-detection location was also containerized in certified-laboratory glassware at the time of its collection and immediately maintained in an ice-packed cooler. Upon completion of sample collection, these samples were transported under strict chain-of-custody to an NYSDOH ELAP-certified laboratory (H2M Labs, Inc.) for analysis by EPA Method 8260 - Target Compound List (TCL) Purgeable Organics by GC/MS. Subsequent to sample collection, the borings were abandoned using a bentonite grout in the boring annular space to grade.

A total of thirteen soil borings (SB-01 to SB-13) were installed as described above at the subject property (See Figures 7a/b and Table 1- Sampling Summary).The north side of the building was examined via soil borings Nos. SB-4 to SB-8. SB-7 was located at the northernmost perimeter and non-operational area (wooded) of the subject property. Soil borings Nos. SB-1 to SB-3 were installed within the rear (west) of the building. One

background soil sample location (SB-9) was also selected. Soil boring Nos. SB-10 to SB-13 were installed at four separate locations surrounding the historic dumpster area.

Lithology

As depth to groundwater was shallow (approximately four feet bgs), the complete unsaturated soil column was evaluated. The soil boring in the rear of the building (SB-1) was extended deeper than the other borings to ascertain the native lithology below the upper water table aquifer. The upper 1.5 feet was noted to be organic dark black loam, followed by six inch layer of dark brown fine sand, with crushed rock layer and very fine sand and silty clay to 5 feet bgs. The 5-6 ft bgs zone was comprised of organic fill and wood, with saturation noted at four to eight feet bgs in medium to coarse sand with grey colored silt. Eight to nine feet bgs was comprised of a dark brown organic rich layer.

The depth of termination of soil borings was based upon the following: depth to groundwater, refusal and/or field screening evidence. Based upon these criteria, boring depths ranged from 0 feet bgs to 9 feet bgs. The majority of soil samples selected for laboratory analysis were collected from specific intervals with the highest PID field measurement. A total of thirteen (13) soil samples were collected at varying locations. The highest PID response was 9999+ PID parts per million [ppm] response units recorded at SB-04 at a depth of 4 ft bgs. Other elevated PID responses (100+ to 1500+ppm response units) were recorded at SB-01 (8-9 feet); SB-05 (3-5 ft bgs) and SB-08 (0.5 ft bgs). These locations correspond to the north and northwest sides of the building. This is the area formerly identified as having soil impacts. Subsequent to field screening and/or soil sampling, the soil borings were extended deeper, for two and/or three vertical depths into the groundwater aquifer for groundwater sampling. After groundwater sampling, these boreholes were abandoned by backfilling with bentonite grout in the boring annular space to grade.

Task 4 - Groundwater Investigation

The presence of groundwater impacts had not been previously determined at the subject parcel. Based upon the results of Task 3 - soil investigation, groundwater samples were

obtained within the same borehole as the soil samples to provide comparable data. In this manner, the data could be evaluated relative to the presence or absence of soil source areas as well as the lateral and vertical distribution of VOC contamination in groundwater. Groundwater samples were collected from temporary monitoring wells installed in the same borehole using a Geoprobe® mill-slot screen. Groundwater samples were initially collected at the upper groundwater zone (4-6 or 5-7 feet bgs). Since tetrachloroethene is a dense non-aqueous fluid, groundwater samples were collected from the bottom of the mill slotted screen. This was achieved by lowering the new poly tubing through the probe rods to the bottom of the slotted screen with purging and sampled using a peristaltic pump with a low flow rate (less than 100 ml/minute). In order to provide vertical delineation of VOC concentrations, groundwater samples were also collected at one or more ten foot intervals below the groundwater table interface (e..g, 15-17 feet bgs and 25-27 feet bgs).

A summary of the groundwater subsurface sampling intervals is presented in Table 1 with locations depicted in Figures 8a/8b. The groundwater sample locations coincide with the soil boring locations as indicated by the field sampling nomenclature (e.g., SB-01 and GW-01 are the same sampling location). Twelve temporary groundwater sampling locations (GW-1 to GW-7 and GW-9 to GW-13) were installed via the Geoprobe. As soil impacts were evident, these temporary monitoring locations were installed generally within the regionally downgradient portion of the study site. GW-1 was located at the northwest corner of the building, at the rear of the property, next to the creek. GW-2 and GW-3 are located along and adjacent to the rear of the building, opposite exhaust fans and a rear door. GW-4 is located at the western corner of the north side of the building. GW-5 and GW-6 are located along the north side of the building, in areas of former soil sampling and identified VOC impacts. GW-7 is located at the northernmost perimeter of the property, within a non-operational (wooded) area. Although a piezometer was installed at the relative upgradient location, no groundwater samples were collected at this location. One or more upgradient groundwater samples will be proposed for collection during supplemental sampling to be performed at the subject property. Upon completion of sample collection, these samples were transported under strict chain-of-custody to a NYSDOH ELAP-certified laboratory

(H2M Labs, Inc.) for analysis by EPA Method 624 - TCL Purgeable Organics with NYSDEC ASP B deliverables.

During the collection of select groundwater samples, field sampling parameters were also measured to collect the necessary data to evaluate the feasibility of monitored natural attenuation (MNA), potential cleanup technologies and presumptive remedies. Specifically, pH, temperature, Oxygen Reduction Potential (ORP), Total Dissolved Solids (TDS), and conductivity was measured during the sampling of GW-5 (5-7 ft bgs), GW-6 (5-7 ft bgs, 15-17 ft bgs and 25-27 ft bgs) and GW-7 (5-7 ft bgs, 15-17 ft bgs and 25-27 ft bgs) using the following instrumentation: Myron L Co Ultrameter (Cond., Res. pH, TDS, ORP); ORS Sonic Probe and YSI 550A DO Meter. Results of this field sampling program are provided in Appendix C.

Task 5 and 6 - Surface Water and Sediment Investigation

A previous sampling event (by others) reported VOC contamination in surface water at a location projected to be downstream of the study site. Surface water within the stream channel has been observed to flow to the north. This flow direction is consistent with the linear expression of the stream channel noted on topographic maps for the study area. It was not previously determined if the surface water impacts were directly attributable to the study site. Additionally, it is unknown if the bottom sediments of the stream are impacted from discharges from the facility or from influences from surface water quality. During the remedial investigation, two (one upstream (SW-1) and one downstream (SW-2)) surface water samples were collected. A water sample was also collected from an upstream culvert that was determined to influence the surface water in the creek, prior to the Rose Cleaners site. Five sediment samples (SED-1 to SED-5, one upstream, three in the central portion of the stream and one downstream) were collected along the linear path of the stream channel. (See Figure 9a/9b). Two of the five sediment sample locations (upstream (SED-1) and downstream (SED-5)) were collected at the same location as the surface water sampling locations. A stormwater culvert was identified adjoining the south side of the study property. A water sample was also collected from the culvert (Culvert).

Surface water and sediment samples were collected in accordance with the procedures established in the NYSDEC, DER "Draft Technical Guidance for Site Investigation and Remediation", December, 2000 (3/26/01) for surface water bodies. Sediments are loosely defined as a collection of fine-, medium-and coarse- grained minerals and organic particles that are found at the bottom of lakes, ponds, rivers, streams, bays, estuaries, oceans, etc. Sediment samples were collected from the center of the creek channel, in areas of sediment deposition as opposed to source areas. The sampling date, weather conditions, channel characteristics (depth and width of channel, flowing or stagnant, etc.) and characteristics of the water (i.e., color, turbidity, layering, etc.) were also noted. The channel was noted to be approximately 8-12 inches deep and from 4-5 feet wide. The flowrate at the time of sampling was roughly calculated as between 30-40 gallons per minute (gpm).

The bottom sediment samples were collected along the linear path of the stream channel using a decontaminated stainless steel dredge sampler, to minimize disturbance. Sediment samples were collected from 0-6 inches bgs. Surface water samples were collected for laboratory analysis using a dedicated disposable polyethylene bailer. Both surface water samples were noted to be turbid. The farthest downstream sample was collected first with subsequent sampling of the upstream location. The culvert, located along New Castle Drive was also sampled, at a location prior to its entry into the creek channel by the Rose Cleaners property. This sample is reflective of discharges originating from the Lexington Café parking lot to the south and east.

All of the surface water/sediment samples were maintained per sample handling protocol and delivered to a state ELAP certified laboratory for confirmatory results for analysis by EPA Method 624/8260 - TCL Purgeable Organics with NYSDEC ASP B deliverables. Supplemental analysis for the surface water samples was performed for Total Organic Carbon (TOC).

Task 7 - Geophysical Investigation and Drainage Investigation

As part of supplemental investigation requirements by the NYSDEC, a geophysical survey

was performed to identify the possible (unidentified) presence of underground structures such as sanitary or wastewater disposal systems. Specifically, BEI conducted a magnetometer survey using Fischer TW-6 and Flux gate magnetometers to investigate the area surrounding the building. A magnetometer survey searches for the presence of any ferrous materials (metals) such as buried storage tanks, or buried systems containing steel (steel holding tanks, reinforced catch basins, cesspools or drywells). BEI evaluated the area around the Rose Cleaners building for objects bigger than four square feet.

On June 1, 2005 the results of the magnetometer survey revealed one sizeable magnetic anomaly. An area approximately fifteen feet by ten feet wide was identified in the front asphalt-paved parking area. As shown on Figure 2, this location encompasses the first several parking spots at the southeast corner of the parking lot. This anomaly was subsequently identified to be an approximate 5,000 gallon No. 2 fuel oil tank that was abandoned in place by the property owner circa 1992. A remnant vent pipe was noted at the corner of the building. Other small scale magnetic anomalies were noted in the rear unpaved yard; same were only one to two square feet in size. BEI used a shovel to excavate to the top of same. These anomalies were identified as insignificant scrap metal.

BEI also opened all of the on-site catch basins to confirm site drainage infrastructure (See Figure 2). Two catch basins exist that direct stormwater runoff from the subject property to the adjoining creek. Both of the two catch basins were confirmed to be solid-wall and solid-bottom concrete structures. One is an open-grate structure located within the asphalt paved area located on the south side of the building. This structure is designed to accept stormwater runoff from the parking lot at the east and south sides of the building. This catch basin overflows to a solid cover catch basin located to the west of the open-grate structure. A drainage pipe was observed in the interior of this structure that projected in the direction of the creek farther to the west. During the implementation of Tasks 5 and 6, the other end of this drainage pipe was also observed entering the creek. A sediment sample (SED-1) was collected before and after (SED-2) this pipe location. Another drainage pipe was observed originating from the rear of the Rose Cleaners building; a steel manhole cover was observed within the unpaved rear area. This drainage appears to be associated with roof drainage

from the building. A sediment sample (SED-3) was collected by BEI at this location to allow for an evaluation of any site discharges.

Additional proximate, but off-site, drainage was noted associated with the property to the south. The Lexington Café paved parking area was noted to have an open grate drain that led to a culverted drainage pipe that parallels the southwestern boundary of the study property. This drainage pipe also enters the creek, just upstream of the Rose Cleaners property, and is also a contributor to overall water and sediment quality conditions in the creek. A residential neighbor located at 40 New Castle Drive (adjacent (northwest) to the creek) reported to the BEI team that during rain storms, a "cloudy and/or"greasy" appearing runoff emanates from the location of the aforementioned drainage pipe. A surface water sample (Culvert) was collected by BEI at this location to evaluate the nature of these discharges; however, it was not raining during the collection period.

3.0 INVESTIGATION RESULTS

The field work performed followed the procedures identified in Section 2.0. A data usability (validation) analysis for data analyzed in accordance by NYSDEC ASP B deliverables was performed by a third party validator (Lab Validation, Inc.) before use in this remedial investigation report. A copy of the summary analytical testing data and the data validation report is provided in Appendix D. The summary data tables provided reflect the data validation/usability analysis wherein the data has already been qualified accordingly.

A summary of those media constituents detected and/or quantified above their applicable comparative standard or guidance value are given in summary Tables 2 through 6. Exceedances of these values are highlighted as described on each individual table.

3.1 Task 2 - Soil Gas Investigation

A total of nine soil gas sample locations (SG-1 to SG-9) were installed (See Figure 6a/6b). Eight (except SG-4) of the nine locations were installed at property perimeters to evaluate the potential for off-site migration of VOCs. The SG-4 location was installed adjacent to the historic dumpster location to confirm soil and groundwater data sampling locations. The SG-3 soil gas sampling location represents the closest sampling location to off-site residential, across the street, New Castle Drive. A summary of VOCs present in soil gas is given in Table 2.

The soil gas sampling results represent concentrations of soil gas under asphalt pavement or unpaved areas, at locations at property perimeters. However, soil gas data is not directly correlative to either indoor or outdoor air concentrations. However, the soil gas migration pathway is an important element in the remedial investigation and concentrations of VOCs in soil gas are evaluated with respect to the potential for migration and intrusion into building structures such as those at the study property and off-site.

At this time, no specific soil gas guidance values or standards are currently available for direct comparison purposes to site-related concentrations. However, in order to evaluate these data, comparison is made to the NYSDOH indoor air quality database collected from 1989 to 1996 (see Draft NYSDOH Guidance February 2005) and additional guidance from the United States Environmental Protection Agency's (USEPA's) Target Indoor Air Concentrations for Evaluating the Vapor Intrusion Pathway dated November 29, 2002.

Therefore, as part of the evaluation of the soil gas sampling results, detections of VOCs are discussed relative to their concentrations above respective method detection limits as well as comparison to the NYSDOH database. Furthermore, BEI has attempted to correlate the presence of PCE and other VOCs relative to whether the soil gas sample data can be related to a soil source area, known or suspected groundwater impacts, site utilities or other site features offering preferential pathways. The perimeter soil gas sampling locations were further evaluated with respect to whether the potential for off-site subsurface vapor intrusion exists, based upon concentrations and spatial relationships to off-site building structures. All of these aforementioned factors are utilized in ultimately determining whether the potential for off-site subsurface vapor intrusion exists.

Indoor air quality relative to the Rose Cleaners building itself was not evaluated at this time due to the current use of PCE at the property. No subslab soil gas data was generated at the time of the remedial investigation. Testing of PCE in subslab soil gas at an active dry-cleaners is not typically considered to be useful for indoor air quality determinations for sites with known chemical uses or sources (NYSDOH and USEPA Guidance). It has been established as part of the record for this property that either as part of continued remedial investigation or site remediation/closure, subslab testing of soil gas will be performed interior to the Rose Cleaners facility.

Analysis of the summa cannister was performed by STL Laboratory for EPA Method TO-14 compounds using TO-15 methodology to achieve appropriate detection limits. Although nineteen VOCs were present above their method detection limits (MDL), primarily seven VOCs were present at significantly elevated concentrations above MDLs at multiple

sampling locations. These VOCs included tetrachloroethene (PCE), trichloroethene (TCE), 1,2-dichloroethene (1,2-DCE) and 1,1-dichloroethene (1,1-DCE), vinyl chloride (VC), carbon disulfide and petroleum-related compounds such as benzene, toluene, ethylbenzene and xylenes (BTEX). Other incidental petroleum-based VOCs present at multiple sampling locations included 1,3,5- and 1,2,4-trimethylbenzene, 4-Ethyltoluene, n-hexane.

Tetrachloroethene was detected at all nine soil gas sampling locations; the highest concentrations were reported at sampling locations that coincided with the soil data confirming PCE impacts at the north side of the building. Concentrations of PCE in excess of 560,000 ug/m^3 were noted at SG-5 and in excess of 100,000 ug/m^3 at sampling locations SG-6 and SG-4, all at the north side of the building. Other sampling locations that reported PCE concentrations in excess of 100 ug/m^3 were SG-2 (southwestern property perimeter) at 4,168 ug/m^3 ; SG-3 at 2,187 ug/m^3 (North Castle Drive), SG-8 at 102.5 ug/m^3 and SG-9 at 184.5 ug/m^3 at the Lexington Avenue side of the property.

Typical breakdown or daughter products of PCE are 1,1-dichloroethene (1,1-DCE), cis-1,2-dichloroethene (1,2-DCE), trichloroethene (TCE) and vinyl chloride (VC). These VOCs were also present at many of the same soil gas sampling locations at elevated concentrations. Specifically, 1,1-DCE was present at 2,480 ug/m^3 at sampling location SG-5 (north side of building) and 48 ug/m^3 at SG-2 (southwestern property perimeter). 1,2-DCE was present at concentrations ranging from 22.8 ug/m^3 to 33,600 ug/m^3 ; the highest concentrations were present at sampling locations SG-2 to SG-5. TCE was also present at elevated concentrations (182 ug/m^3 to 12,270 $ug/m^{3)}$ again at sampling locations SG-2 to SG-5. Vinyl Chloride was also reported above its detection limit at one location (SG-2 at 387 ug/m^3), southwestern property perimeter. Petroleum-related constituents and/or miscellaneous VOCs (toluene, benzene, ethylbenzene, xylenes, styrene, etc.) were also evident at many of the soil gas sampling locations.

Sampling locations SG-7 to SG-9 were noted to possess the lowest VOC soil gas concentrations overall; however, elevated concentrations of PCE, with lower concentrations of xylene, benzene and other minor VOC constituents present.

3.2 Task 3 - Soil Investigation

For the purposes of determining whether impact to the soils at the subject property has occurred from the storage, handling and use of dry-cleaning chemicals at the subject property, comparison was made to the Recommended Soil Cleanup Objectives (RSCOs) in the NYSDEC Technical Administrative Guidance Memorandum (TAGM) 94-4046, revised April, 1995.

Table 3 provides a summary of the VOCs detected and/or elevated above the NYSDEC RSCOs. For summary purposes, Figures 7a/7b also present a summary of PCE, TCE, 1,2-DCE and VC concentrations at each of the soil sampling locations. A total of twelve (12) soil samples were collected from the thirteen soil borings and analyzed for TCL VOCs by EPA Method 8260. Primarily tetrachloroethene was the compound present at the highest concentration of concern, with detections of typical daughter or breakdown VOCs such as 1,2-Dichloroethene (total) and trichloroethene. No vinyl chloride was present above method detection limits.

The following soil sampling locations reported concentrations of Tetrachloroethene/Total VOCs above the NYSDEC RSCOs at the depths indicated: SB-03 at 4-5 ft bgs with concentrations of 34,000/34,460 *ug*/kg; SB-04 at 4-5 ft bgs at concentrations of 1,600,000/1,683,170 *ug*/kg; SB-05 at 3-4 ft bgs with concentrations of 51,000/51,044 *ug*/kg; SB-06 at 3-4 ft bgs with concentrations of 15,000/15,022 *ug*/kg; SB-08 at 6-8 inches bgs with concentrations of 4,300/4,319 *ug*/kg; and SB-10 at 3-4 ft bgs with concentrations of 15,000/15,060 *ug*/kg. Although VOCs were present at SB-1, SB-2, SB-9, SB-11, SB-12 and SB-13, none were present at concentrations in excess of the respective RSCOs for PCE, TCE or 1,2-DCE .

One other VOC (acetone) was present at three soil sampling locations at the concentrations indicated: SB-1 (72 *ug*/kg); SB- 2 (54 *ug*/kg); and SB-4 (370 *ug*/kg). Only SB-4 had a reported concentration in excess of the RSCO for acetone of 200 *ug*/kg.

Of these soil sampling locations, SB-03 represents a sampling location, exterior, to the rear exhaust fans; SB-04/SB-08 are located at the northwest corner of the building, with SB-05 and SB-06 located along the northern wall of the building, in the area of the former exhaust pipe. The location of SB-05 and SB-06 are proximate or coincident with the previous soil sampling locations by others that resulted in the state designation of Class 2 for this property. SB-10 location is adjacent to the historic dumpster area, along its west side. These data appear consistent with respect to the field evidence (PID screening, and other physical characteristics) as well as the overall patterns of site impacts indicated by soil gas analytical testing data. Of all soil sampling locations, the area of highest soil impacts was present at the SB-4 location.

3.3 Task 4 - Groundwater Investigation

For the groundwater samples collected from the study site, comparison was made to NYSDEC Groundwater Class Ga Potable Groundwater Ambient Water Quality Standards and Guidance Values (SGVs) (NYSDEC TOGS 1.1.1) Revised April 2000.

Table 5 provides a summary of the VOCs detected and/or elevated above the NYSDEC Class Ga Ambient Water Quality Standards or Guidance Values (SGVs). For ease of reference and description, Figure 8 provides a summary of the groundwater sampling locations. Thirty (30) groundwater samples from 13 temporary monitoring wells were submitted for laboratory analysis for TCL VOCs by EPA Method 8260. Either two (4-6 to 5-7 ft bgs and 15-17 ft bgs) or three (4-6 to 5-7 ft bgs, 15-17 ft bgs and 25-27 ft bgs) vertical groundwater sampling intervals were evaluated at each of the thirteen temporary wells.

All but one (GW-9) of the groundwater sampling locations reported elevated concentrations of VOCs, specifically PCE and three degradation/daughter products (TCE, 1,2-DCE total, and VC) above their respective NYSDEC SGVs of 5 *ug*/L or 2 *ug*/L for VC. The highest concentrations of PCE were present in the shallow groundwater samples collected at the GW-4, GW-5, and GW-6 sampling locations, consistent with the soil sampling data for these locations. Elevated concentrations of PCE were present at GW-7 at subsurface

intervals deeper than 15 feet bgs. No soil impacts were noted at the SB-7 sampling location; therefore, the VOCs in deeper groundwater at this location can be considered related to dispersion within the aquifer or groundwater flow.

Out of the concentrations of total VOCs reported at the groundwater samples, PCE is the primary constituent present at the highest concentrations (up to 300,000 *ug*/L[1]) with the exception of sampling locations GW-1at 4-6 ft bgs at which vinyl chloride was present at its highest concentration (6,900 *ug*/L) with an elevated concentration of 1,2-DCE at 13,000 *ug*/L. Concentrations of TVOCs in groundwater were reported in excess of 300,000 *ug*/L at an area encompassing GW-5 at shallow depth and at depths in excess of 15+ ft bgs. Similarly, concentrations of TVOCs in groundwater were reported in excess of 100,000 *ug*/L within a larger area encompassing GW-5 and GW-7 also at depths in excess of 25+ ft bgs. Another area of elevated TVOCs was identified surrounding GW-2 and GW-3 as well as the dumpster area (GW-12 and GW-13). Figure 8a is a depiction of the VOCs reported in the 5-7 ft bgs sampling interval; while Figures 8b and 8c provide an illustration of VOCs at respective depths of 15-17 ft bgs and 25-27 ft bgs.

The background soil sampling location (SB-9/GW-9) reported only low estimated (2 J *ug*/L below SGVs) or non-detection of VOCs in groundwater. Although this sampling location served as a background soil location, it is not upgradient with respect to groundwater flow.[2] As groundwater flow direction had not been definitively established prior to the collection of groundwater samples, no confirmative upgradient groundwater sampling data is currently available. Sufficient upgradient groundwater quality data will be developed under the next phase of groundwater investigation/delineation.

Trichloroethene was also reported at elevated concentrations at the majority of the groundwater sampling locations (except GW-1, GW-9 and GW-11). The highest

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[1]The tetrachloroethene concentrations ranged from ND to more than 60,000 times the groundwater SGV of 5 *ug*/L for this VOC. No SGV is available for Total VOCs.

[2]This sampling location can be considered to be crossgradient.

concentrations were reported at GW-4 at 5-7 ft bgs (10,000 *ug*/L); and GW-5 (15-17 ft bgs and 25-27 ft bgs at respective concentrations of 2,200 *ug*/L and 1,800 *ug*/L). 1,2-Dichloroethene (total) was reported at its highest concentration (13,000 *ug*/L) at the same location as the highest reported detection of vinyl chloride (6,900 *ug*/L) which was GW-1 at 5-7 ft bgs at 11,000 *ug*/L. Another area of similarly elevated concentration of 1,2-Dichloroethene was GW-4 at a depth of 5-7 ft bgs. Overall, the highest area of elevated concentrations of related dry-cleaning VOCs was identified at the northwest corner of the building and subject property.

3.4 Tasks 5 and 6 - Surface Water and Sediment Investigation

Task 5 - Surface Water Sampling

For the surface water samples collected from the study site, comparison was made to NYSDEC Groundwater Class A, A-S, AA, AA-S, B, C, D Water Quality Standards and Guidance Values (SGVs) (NYSDEC TOGS 1.1.1) Revised April 2000.The surface water body (creek) is a tributary to Mount Kisco River, which leads to Howlands Lake. For the purposes of evaluating the potential effects to the surface water system, available NYSDEC guidance for this area of Westchester County dictates that all tributaries which are part of a larger surface water system are assigned the same class and standards of quality and purity as the specifically designated waters to which they are directly or indirectly connected. The specific class of water for the creek at the subject parcel is identified as Class B or C, based upon its connection to Howlands Lake and Kisco River.

Table 6 provides a summary of the VOCs detected and/or elevated above the NYSDEC Water Quality Standards or Guidance Values (SGVs). Figures 9a/9b also presents a summary of PCE, TCE, 1,2-DCE and VC concentrations at each of the surface water or sediment sampling locations. Three surface water and five sediment samples were collected and submitted for laboratory analysis for TCL VOCs by EPA Method 8260.

The first surface water sample (Culvert) collected was a stormwater culvert located

adjoining the study property wherein a neighbor had reported discolored surface water discharges during rainfall events. Four VOCs (methylene chloride (5 *ug*/L); 2-butanone (29 *ug*/L); chloroform (10 *ug*/L); and 4-methyl-2-pentanone; (2 J *ug*/L)) were reported at this sampling location at the concentrations indicated in parentheses. These concentrations were either in conformance or just above the NYSDEC water quality SGVs for these compounds with the exception of chloroform whose SGV is 7 *ug*/L. The second surface water sample collected was inside the entrance to the culverted creek, upstream of the Rose Cleaners property. No VOCs were present at this sampling location above their respective method detection limits. The third surface water sample was collected at the end of the culverted creek, at the farthest downstream extent of the Rose Cleaners, just prior to its juncture with the adjoining parcel to the north. Three VOCs (1,2-Dichloroethene (total) (4J *ug*/L); trichloroethene (2 J *ug*/L); and tetrachloroethene (11 *ug*/L)) were reported at this sampling location at the concentrations indicated in parentheses. These VOCs are representative of known site discharges. Only the concentration of Tetrachloroethene was above its respective SGV of 1 *ug*/L.

Task 6 - Sediment Sampling

In order to evaluate the sediment samples collected from the creek adjoining the study site, the criteria for identifying contaminated sediments in the *NYSDEC Division of Fish Wildlife and Marine Resources, Technical Guidance for Screening Contaminated Sediments* revised January 25, 1999 (TGSCS, 1999) were utilized. This document establishes that the NYSDEC water quality SGVs (where available) are used to derive sediment criteria. Sediments with contaminant concentrations that exceed the criteria in this document are considered to be contaminated and potentially cause harmful impacts to marine and aquatic ecosystems. This document further states that "these criteria do not necessarily represent the final concentrations that must be achieved through sediment remediation." "Comprehensive testing and risk management are necessary to establish when remediation is appropriate and what final concentrations the sediment remediation effort should achieve" (TGSCS, 1999).

Sediments are the essential components of aquatic ecosystems and potential impacts to benthic aquatic organisms include both acute and chronic toxicity. Contaminated sediments

can also serve as diffuse sources of contamination to the overlying water body, by slowly releasing contamination into the water column. However, although not naturally occurring, the presence of synthetic organic compounds does not necessarily indicate harm. There are five primary levels of protection relating to sediment criteria. These include protection to human health (acute or toxic), protection to aquatic life (acute or toxic) and protection to wildlife from bioaccumulation (TGSCS, 1999).

In the instance of the study site, the creek adjoining the study area is a culverted channel that traverses a combined residential and commercial area. Access is limited due to the elevation change at the entrance to the culvert/channel, rear access only via individual properties and other factors. Within the area of the subject property, limited, if any, human uses of the creek are apparent. Although it has been established that the creek is a tributary to Mount Kisco River, which leads to Howlands Lake, for the purposes of the remedial investigation, the evaluation of sediment criteria was initially limited to an evaluation of the effects to benthic aquatic life (acute or toxic) for a freshwater stream. If no benthic aquatic criteria were available, a secondary comparison was performed relative to the human health bioaccumulation criteria, if available.

The first sediment sample was collected at the same location as the surface water sample inside the entrance to the culverted creek, upstream of the Rose Cleaners property. Three VOCs (acetone (580 *ug*/kg); 2-butanone (76 *ug*/kg); and toluene (8 J *ug*/kg)) were reported at this sampling location at the concentrations indicated in parentheses. The source(s) of these VOCs is unknown but this sample can be considered to be representative of background or upstream site discharges. No sediment screening criterion exists for acetone or 2-butanone but the concentration established for toluene is significantly higher than that reported in the sediment sample. Acetone was also noted in soil samples SB-1, SB- 2 and SB-4.

No TCL VOCs were present at the second sediment sampling location (SED-2) above their respective method detection limits. This location was representative of discharges emanating from the on-site drainage pipe from the paved areas at the Rose Cleaners. The third sediment sample (SED-3) was collected opposite another drainage pipe originating from

the rear of the Rose Cleaners building; this sample reported two VOCs above method detection limits: 2- butanone (100 *ug*/kg); and toluene (27 J *ug*/kg). These two VOCs are the same as that reported at the upstream sediment sample and therefore do not appear to be site related. The fourth sediment sample (SED-4) was collected directly opposite the southwest edge of the Rose Cleaners building, near the soil site impacts. This sample reported two VOCs: (1,2-Dichloroethene (total) (81 *ug*/L) and Trichloroethene (5 J *ug*/L) at the concentrations indicated. These two VOCs are the same as that reported at the subject property in other site media and are likely site related.

The fifth sample (SED-5) was located the end of the culverted creek, at the farthest downstream extent of the Rose Cleaners, just prior to its juncture with the adjoining parcel to the north. This sample reported three VOCs: (1,2-Dichloroethene (total) (4J *ug*/kg); Trichloroethene (5 J *ug*/kg); and Tetrachloroethene (43 *ug*/kg) at the concentrations indicated in parentheses. These VOCs are the same as that reported at the subject property in other site media and again likely site related; however, none are above the NYSDEC sediment screening levels, if available.

3.5 Task 7 - Geophysical Investigation and Drainage Investigation

As part of supplemental investigation requirements by the NYSDEC, a geophysical survey was performed to identify the possible (unidentified) presence of underground structures such as sanitary or wastewater disposal systems. Specifically, BEI conducted a magnetometer survey using Fischer TW-6 and Flux gate magnetometers to investigate the area surrounding the building. A magnetometer survey searches for the presence of any ferrous materials (metals) such as buried storage tanks, or buried systems containing steel (steel holding tanks, reinforced catch basins, cesspools or drywells). BEI evaluated the area around the Rose Cleaners building for objects bigger than four square feet.

On June 1, 2005 the results of the magnetometer survey revealed one sizeable magnetic anomaly. An area approximately fifteen feet by ten feet wide was identified in the front asphalt-paved parking area. As shown on Figure 2, this location encompasses the first several parking spots at the southeast corner of the parking lot. This anomaly was

subsequently identified to be an approximate 5,000 gallon No. 2 fuel oil tank that was abandoned in place by the property owner circa 1992. A remnant vent pipe was noted at the corner of the building. Other small scale magnetic anomalies were noted in the rear unpaved yard; same were only one to two square feet in size. BEI used a shovel to excavate to the top of same. These anomalies were identified as insignificant scrap metal.

BEI also opened all of the on-site catch basins to confirm site drainage infrastructure (See Figure 2). Two catch basins exist that direct stormwater runoff from the subject property to the adjoining creek. Both of the two catch basins were confirmed to be solid-wall and solid-bottom concrete structures. One is an open-grate structure located within the asphalt paved area located on the south side of the building. This structure is designed to accept stormwater runoff from the parking lot at the east and south sides of the building. This catch basin overflows to a solid cover catch basin located to the west of the open-grate structure. A drainage pipe was observed in the interior of this structure that projected in the direction of the creek farther to the west. During the implementation of Tasks 5 and 6, the other end of this drainage pipe was also observed entering the creek. A sediment sample (SED-1) was collected before and after (SED-2) this pipe location. Another drainage pipe was observed originating from the rear of the Rose Cleaners building; a steel manhole cover was observed within the unpaved rear area. This drainage appears to be associated with roof drainage from the building. A sediment sample (SED-3) was collected by BEI at this location to allow for an evaluation of any site discharges.

Additional proximate, but off-site, drainage was noted associated with the property to the south. The Lexington Café paved parking area was noted to have an open grate drain that led to a culverted drainage pipe that parallels the southwestern boundary of the study property. This drainage pipe also enters the creek, just upstream of the Rose Cleaners property, and is also a contributor to overall water and sediment quality conditions in the creek. A residential neighbor located at 40 New Castle Drive (adjacent (northwest) to the creek) reported to the BEI team that during rain storms, a "cloudy and/or"greasy" appearing runoff emanates from the location of the aforementioned drainage pipe. A surface water sample (Culvert) was collected by BEI at this location to evaluate the nature of these discharges; however, it was not raining during the collection period.

4.0 QUALITY ASSURANCE / QUALITY CONTROL PROCEDURES

Quality Assurance /Quality Control (QA/QC) procedures were developed to ensure that suitable and verifiable data results from sampling and analyses are maintained during the field. The investigation work plan provided detailed quality assurance procedures to be followed for sampling and laboratory analysis activities. These procedures were implemented during the investigation and a summary description of the quality assurance procedures followed is provided below.

4.1 Sampling Personnel

The activities associated with the field sampling and analysis program were performed under the supervision of a Quality Assurance Officer, in accordance with the NYSDEC, DER "Draft Technical Guidance for Site Investigation and Remediation", December, 2000 (3/26/01). The samplers possessed a minimum of two or more years experience in environmental/geological field work. Additionally, all samplers had received mandatory forty-hour Occupational Safety and Health Administration (OSHA) training on working with potentially hazardous materials and appropriate Hazard Communication Program and Right-To-Know' training.

4.2 Sampling Equipment

Individual QA/QC measures were implemented for each of the types of equipment, field screening instruments, sample containers, etc. used in the performance of the sampling program.

4.2.1 Geoprobe

Prior to arrival on the subject property and between sample locations, the probes were decontaminated by washing them with a detergent (Alconox) and potable water solution and rinsing them with distilled water.

4.2.2 Glassware

All sample glassware were "level A" certified decontaminated containers supplied by a NYSDOH-Certified Commercial Laboratory. Samples analyzed for media potentially containing VOCs were placed in Teflon-lined containers. All samples were preserved by

cooling them to a temperature of approximately four degrees Celsius.

4.3 Sample Documentation

To establish and maintain proper sample documentation control, the following sample identification and chain-of custody procedures were followed.

4.3.1 Sample Identification

Sample identification was executed by use of a sample tag, log book and chain-of-custody form. Said documentation provided the following information: 1) the project code; 2) the sample laboratory number; 3) the sample preservation; 4) the date the sample was secured from the source media; 5) the time the sample was secured from the source media; and 6) the person who secured the sample from the source media.

4.3.2 Chain-of Custody Procedures

Due to the evidential nature of samples, possession was traceable from the time the samples were collected until they were received by the testing laboratory. A sample was considered under custody if it: was in a person's possession; it was in a person's view, after being in possession; if it was in a person's possession and they locked it up; or, it was in a designated secure area. When transferring custody, the individuals relinquishing and receiving the samples signed, dated and noted the time on the Chain-of-Custody Form.

4.3.3 Laboratory-Custody Procedures

A designated sample custodian accepted custody of the delivered samples and verified that the information on the sample tags matched that on the Chain-of-Custody Records. Pertinent information as to delivery, pick-up, courier, etc., were entered in the "remarks" section. The custodian entered the sample tag data into a bound logbook. The laboratory custodian used the sample tag number, or assigned a unique laboratory number to each sample tag, and assured that all samples were transferred to the proper analyst or stored in the appropriate source area. The laboratory custodian distributed samples to the appropriate analysts. Laboratory personnel were responsible for the care and custody of samples, from the time they were received, until the sample was exhausted or returned to the sample custodian. All identifying data sheets and laboratory records were retained as part of the permanent

documentation. Samples received by the laboratory were retained until after analysis and quality assurance checks were completed.

5.0 EXPOSURE ASSESSMENT

A qualitative exposure assessment was performed initially as part of the investigation work plan process. As a result of the site investigation, site conditions have now been characterized and the site data can be used to develop a more quantitative exposure assessment where standards or guidance values exist. The previously identified exposure pathways were re-evaluated relative to an existing or potentially exposed population with respect to the site characterization sampling data. This analysis was performed for exposed media and an evaluation of the physical conditions of the contaminant sources at or near the study property which may pose an additional health risk to the community.

The site characterization data with quantified concentrations of tetrachloroethene and other VOCs were evaluated in a three step process. First, an analysis was conducted to confirm potential exposure pathways. Second, concentrations of the chemicals of concern were assigned to the exposure points for each pathway based on the site data. Third, the exposure point concentrations were compared to acceptable regulatory action levels to determine if those concentrations could pose an unacceptable risk to human health and/or the environment.

5.1 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. Any 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.

Potential exposure pathways for the tetrachloroethene, other chlorinated VOCs and any other class of VOC identified in the soils and groundwater within the study area were determined to include: 1) inhalation of indoor or outdoor air containing chemicals of concern that volatilized from underlying soils and groundwater; 2) ingestion of groundwater; and 3) discharge of groundwater to surface water with subsequent exposures. Surface water and sediment impacts were also further evaluated with respect to exposure pathways. Potential receptors for each of these exposure pathways are identified below.

5.1.1 *Soil Contact Exposure Pathway*

The remedial site investigation identified concentrations of the chemicals of concern in the soils located at the north side of the building. Generally, contamination was present in soil from one feet bgs to depths in excess of three feet bgs, with extremely elevated concentrations reported within the upper water table zone and capillary fringe (3-5 feet bgs). Shallow soil contamination (6-8 inches bgs) was also quantified at SB-8 located near the northwest corner of the building. Additional shallow subsurface soil contamination (3-4 feet bgs) was also quantified at SB-10, located at the west side of the historic dumpster area.

The north side of the building can only be accessed via a narrow alleyway from the front parking lot area, at the extreme north edge of the building. The area surrounding the historic dumpster area is completely accessible via the southern portion of the property. The remedial site investigation has confirmed that the shallow and shallow subsurface soils (within seasonally high water table) require removal, followed by end point sampling to meet the NYSDEC RSCOs. Although low concentrations of the same VOCs were present, soils at the rear (west) of the building did not report dry-cleaning chemicals at concentrations above their respective RSCOs. Therefore, two main VOC source areas were delineated; the north side of the building and a smaller area of shallow subsurface soils within the historic dumpster area.

Based upon the above determination, direct contact with VOC-impacted soils can occur if workers or trespassers access the north side of the building. This represents a completed exposure pathway at the property. Due to the concentrations quantified during the remedial investigation, access to this area should be restricted via fencing or other means until remediation can be performed in order to mitigate this pathway. Furthermore, direct contact is likely occur to remediation workers during remediation. Appropriate health and safety provisions will be undertaken at that time to mitigate possible exposure. Future potential exposure pathways will be evaluated after remediation is complete and the collection of end point soil data is available. If the building were to be razed, exposure to contaminated soil underlying or proximate to the building footings or foundation may be possible; however, this circumstance may be modified during remediation and should be re-evaluated at that time.

The transport mechanism of contaminants through soil is gravity drainage near the release source until contact with groundwater. Contaminant transport by advection and diffusion in groundwater can cause additional soil contamination on and off site. This is limited, however, to a zone of soil in contact with groundwater. The contamination noted in shallow subsurface soils at the site ("smear zone" soils) appear to be due to exactly that transport mechanism. As any construction excavation activities undertaken would likely encounter groundwater (4+ feet bgs), soil contact exposure will be a completed pathway under this scenario; however, other than required remediation, there are no plans for construction or expansion of this facility. Furthermore, these soils will be addressed during soil remediation and/or remediation directed to target groundwater.

5.1.2 *Inhalation Exposure Pathway*

For inhalation exposures, potential receptors under current and future conditions include workers, customers, tenants and trespassers at the site as well as potential occupants of neighboring commercial businesses and residences. No ambient air samples or indoor air quality samples have been collected to date. Therefore there is no complete exposure pathway documented at this time as the inhalation exposure pathway can only be evaluated based upon soil gas data at perimeter sampling locations. However, it is acknowledged that elevated soil gas is present at

perimeter sampling locations and this exposure pathway must be further evaluated via supplemental off-site sampling via soil gas, and possibly subslab and/or indoor air sampling of potential receptors.

The potential exposure pathway at the site itself is inhalation of indoor and outdoor air by site workers, tenants and business customers. As the portion of the property that overlies contaminated soil and groundwater that is typically occupied is paved with asphalt in good condition or covered by the building footprint, the outdoor inhalation pathway is not considered to be complete relative to same. A concrete poured floor exists interior to the building. As the building is constructed as a slab on grade with no basement or crawl space, this eliminates interior confined spaces. The interior of the building is in fair condition and can be further evaluated with respect to maintaining or increasing the integrity of the floor. The two areas of exposed soil at the northern and southern perimeters of the property may pose an outdoor inhalation pathway. Based upon the most recent inspection, the southern area is not utilized by site workers or tenants for other than car parking, maintaining a dumpster or other miscellaneous (non-occupant) uses. The northern exposed soil area was noted to be unoccupied with no access from the interior of the building; furthermore, the area was moderately wooded and vegetated, partially inhibiting the ability to easily traverse same. An exhaust pipe is present in this area from interior operations. This area has already been evaluated with respect to surficial and shallow subsurface soils and should be restricted via fencing until remediation can be performed, to mitigate this pathway.

An evaluation of indoor air quality is not feasible given the on-site use of dry-cleaning chemicals. Furthermore, whether or not there is a completed soil gas inhalation exposure pathway within the Rose Cleaners property, it is occupied by workers. As cited on page 3 of the United State Environmental Protection Agency (USEPA) OSWER Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from groundwater and soils (November 2002), "OSHA and USEPA have agreed that OSHA generally takes the lead role in addressing occupational exposures. Workers generally understand the workplace regulations that already

apply for their protection (e.g., hazard communication and monitoring plans). It is acknowledged that indoor air quality concerns relative to future occupants will need to ultimately be addressed. However, it is more appropriate to evaluate this potential future exposure pathway after remedial activities have been completed at the subject property and the soil, groundwater pathways and soil gas pathways have been mitigated.

The nearest potential off-site receptors are occupants of the adjoining commercial businesses and residences located along Lexington Avenue (north, south and east) and to the residences to the west, across the creek. Although dry-cleaning related VOCs were present in the perimeter samples (SG-1, SG-8 and SG-9), concentrations were only moderately elevated (19.8 ug/m^3 to 184.5 ug/m^3) compared to the 100 ug/m^3 threshold established by NYSDOH for PCE evaluation. The commercial businesses and residences located to the east, along Lexington Avenue are a minimum of 60 feet away from the perimeter sampling locations.

The southern perimeter sampling location SG-3 reported a significantly higher concentration of PCE in soil gas (2,187 ug/m^3), clearly necessitating further evaluation of this potential exposure pathway to off-site receptors to the south. The nearest building is a commercial establishment located approximately 110 feet away. The northern perimeter sampling locations reported the highest detections of PCE and breakdown products in soil gas, also clearly necessitating further evaluation of off-site receptors to the north; the closest location is approximately 60 feet away. No soil gas locations were installed along the west side, or along the creek, or at the nearest residence directly to the west. Supplemental testing is required to evaluate the western perimeter of the property as the transport mechanisms for soil gas, beyond the creek, (potential physical barrier) is unknown. The nearest residence is approximately 60 feet to the west; an unoccupied storage garage is present closer, located at the rear of that property.

5.1.3 *Groundwater Ingestion Pathway*

Groundwater contamination has been quantified at the study site and groundwater flow has been confirmed to be to the northwest. Prior research had confirmed that

potable water is supplied to the area by the municipal water authority (Village/Town of Kingston Water Department) which consists of a combination of Byram Lake Reservoir surface water supply and supplemental water from the Leonard Park wellfield. The subject property is at least 2,000 feet to the west of the Leonard Park area and between the study site and the wellfield is the tributary to the Mt. Kisco River. The creek is a significant change in grade elevation which may form a type of hydraulic boundary for shallow groundwater flow. The Byram Lake Reservoir is located more than two miles to the east of the study property.

Furthermore, BEI has performed a private well survey as requested by the NYSDOH. During this survey, BEI had confirmed that all adjoining addresses are connected to municipal water supply. Therefore, at this time, ingestion of impacted groundwater originating from the subject property is not considered to be a completed exposure pathway.

5.1.4 *Discharge of Groundwater to Surface Water/Sediment Pathway*

The surface water body (creek) is a tributary to Mount Kisco River, which leads to Howlands Lake. Shallow groundwater from the site appears to potentially discharge to the adjoining surface water body/creek based upon a calculation of groundwater flow direction. The hydrodynamics of this system has been preliminary established and likely varies on a seasonal basis. Ultimately, the creek drains into the Mt. Kisco River, which leads to Howland's Lake. VOCs were reported at surface water sampling location entering the subject property generally either in conformance or were just above the NYSDEC water quality SGVs. The surface water sample collected at the end of the culverted creek, at the farthest downstream extent of the Rose Cleaners reported VOCs representative of site discharges but only PCE was present, above its respective SGV. Therefore, this data confirms discharge of VOCs in the creek, with impacts due to PCE. As this creek is part of a large culverted system that serves as a surface drainage receptor for numerous commercial businesses and residences, the potential for additional uncontrolled off-site impacts exists. Therefore, although surface water impacts are present, surface water should be evaluated in conjunction with site-related soil and groundwater conditions. At

the farthest downgrade location, no completed exposure pathway via ingestion has been identified at this time.

VOCs were also quantified in the sediment sample collected upstream of the Rose Cleaners property, representative of upstream site discharges. The sediment sample collected directly opposite the southwest edge of the Rose Cleaners building, near the soil site impacts reported two site-related VOCs. Similarly, the farthest downstream sample reported three site-related VOCs. However, none of the VOCs were present at concentrations above the NYSDEC sediment screening levels, if available. Therefore, this data confirms discharges to sediments within the creek due to site-related VOCs and again, the need for site remediation.

However, as no sediments with contaminant concentrations exceed the criteria, no specific impacts have yet been identified to marine and/or the aquatic ecosystems. As necessary, comprehensive testing and risk management may be required to establish when remediation of this media is appropriate, if any.

5.2 Exposure Assessment Summary

The evaluation of the soil exposure pathway indicates that direct contact with VOC-impacted soils can occur if workers or trespassers access the north side of the building. Furthermore, direct contact will likely occur to remediation workers during remediation. Therefore, this exposure pathway is considered complete and immediate action in the form of fencing is recommended for installation to prohibit inadvertent exposure of shallow soils at the north side of the building until remediation can be performed. Under the remediation scenario, appropriate health and safety provisions will be undertaken to mitigate this exposure pathway.

In light of the findings of the soil gas sampling, the potential exists that the inhalation exposure pathway may be a significant issue both on- and off-property. However, although elevated soil gas concentrations exist, both on-site and at the property perimeters, the actual presence of VOCs in indoor air, ambient air, on- or off-site has not yet been quantified. The

perimeter sampling locations reported high concentrations of PCE in soil gas clearly necessitating further evaluation of potential off-site receptors. Supplemental testing is required to evaluate the area surrounding the subject property. The closest residence to the west requires further evaluation as the transport mechanism for soil gas beyond the creek is unknown. Also a supplemental soil gas evaluation should evaluate the potential for preferential pathway movement along site features such as utility lines.

A current evaluation of indoor air quality is not feasible within Rose Cleaners given the on-site use of dry-cleaning chemicals. Furthermore, whether or not there is a completed soil gas inhalation exposure pathway within the Rose Cleaners property, it is occupied by workers wherein OSHA generally takes the lead role in addressing occupational exposures. It is acknowledged that this pathway will require evaluation subsequent to remediation, for the future occupant scenario.

The outdoor inhalation pathway is not considered to be complete at the occupied area of the subject property as the majority of the property is paved with asphalt in good condition or covered by a building. A concrete floor exists interior to the building that is a slab-on-grade with no basement or crawl space. Currently, the southern area is not utilized by site workers or tenants for other than car parking, maintaining a dumpster or other miscellaneous (non-occupant) uses. No shallow soil contamination was identified in this area. The northern exposed soil area with shallow PCE-impacts was noted to be unoccupied with no access from the interior of the building. Furthermore, the area was observed to be moderately wooded and vegetated, partially inhibiting the ability to easily traverse same. A fence should be installed to mitigate this exposure pathway until remediation can be performed.

As prior research has confirmed that potable water is supplied to the property and surrounding area by the municipal water authority, the ingestion of impacted groundwater is not a completed exposure pathway. Furthermore, BEI has performed a private well survey as requested by the NYSDOH, confirming that all adjoining addresses are connected to municipal water supply.

The surface water and sediment sampling has confirmed the discharge of dry-cleaning chemicals into the creek. The creek is not knowingly used for potable water supply and it serves as drainage receptor for numerous commercial businesses and residences, increasing the potential for additional uncontrolled off-site impacts. Although impacts are present, no completed exposure pathway via ingestion has been identified at this time. However, as the sediment contaminant concentrations do not exceed applicable criteria, no specific impacts have yet been identified to marine and/or the aquatic ecosystems or in turn, completed exposure pathways.

6.0 SUMMARY AND CONCLUSIONS

Tasks 1 to 6 of the approved Remedial Investigation Work Plan were performed at the Rose Cleaners, (Site Number 3-60-059) located at 500 Lexington Avenue, Mt. Kisco, New York 10549 by Berninger Environmental Inc. (BEI) during May - October 2005.

The primary purpose of the remedial investigation was to delineate the areal and vertical extent of tetrachloroethene and its breakdown products in all site media that may be at or emanating from the subject property. Additional objectives include the development of site-specific data to allow an evaluation of the actual and potential impacts to public health and the environment; selection and design of remedial action alternatives; and identification of potential feasible cleanup technologies and presumptive remedies.

6.1 Soil Gas Investigation

Tetrachloroethene was detected at all nine soil gas sampling locations; the highest concentrations were reported at sampling locations that coincide with the soil data that documents PCE impacts at the north side of the building. Concentrations of PCE in excess of 100,000 ug/m^3 to 560,000 ug/m^3 were noted at sampling locations at the north side of the building. Other sampling locations that reported PCE concentrations in excess of 100 ug/m^3 included the southwestern property perimeter, areas proximate to North Castle Drive and along Lexington Avenue. The full range of typical dry-cleaning VOCs were present at many of the same soil gas sampling locations at elevated concentrations. Petroleum-related constituents and/or miscellaneous VOCs were also reported at isolated soil gas sampling locations.

6.2 Soil Investigation

As prior studies had already identified specific areas of soil contamination, the soil sampling was biased toward the north side of the building and included other potential suspect areas such as the rear of the building, exterior to doors, exhaust fans, the historic dumpster location, etc. A total of thirteen soil borings were installed across the subject property.

Dry-cleaning VOCs were present in the soil samples at elevated concentrations. The highest concentration of soil impacts were present at north- northwest exterior sides of the building, near old exhaust pipes. Concentrations of PCE was also present within the shallow subsurface soils within the historic dumpster area.

6.3 Groundwater Investigation

The presence of groundwater impacts had not been previously confirmed at the subject parcel. During the remedial investigation, groundwater samples were obtained within the same borehole as the soil samples to provide comparable data. Thirty groundwater samples were collected from 13 temporary monitoring wells completed at ten foot intervals below the groundwater table interface (e..g, 15-17 feet bgs and 25-27 feet bgs). All but one (GW-9) of the groundwater sampling locations reported elevated concentrations of dry-cleaning related VOCs, above their respective NYSDEC SGVs. PCE is the primary constituent present at the highest concentrations (up to 300,000 *ug*/L) with the exception of one sampling location (GW-1) at the northwest corner of the building wherein daughter products of PCE such as vinyl chloride predominated. The highest concentrations of PCE were present in the shallow groundwater samples collected at the northwest and north sides of the building consistent with the soil sampling data at these locations. As groundwater flow direction has not been definitively established prior to the collection of groundwater samples, no confirmative upgradient groundwater sampling data was developed during the remedial investigation. Upgradient groundwater quality data will be developed under the next phase of groundwater investigation/delineation. Upon the completion of the field work, localized groundwater flow direction was confirmed to be to the northwest.

6.4 Surface Water and Sediment Investigation

During the remedial investigation, two (one upstream and one downstream) surface water samples were collected. A water sample was also collected from an upstream culvert that was determined to influence the surface water in the creek, prior to the Rose Cleaners site. Five sediment samples (one upstream, three in the central portion of the stream and one downstream) were collected along the linear path of the stream channel. Two of the five

sediment sample locations were collected at the same location as the surface water sampling locations.

Sampling of the upgrade culvert revealed the presence of four incidental (non-site related) VOCs, either in conformance, or slightly above the NYSDEC water quality SGVs. The second surface water sample collected upstream of the Rose Cleaners property did not report VOCs present above their respective method detection limits. The third surface water sample collected at the farthest downstream extent of the Rose Cleaners reported three site-related VOCs with PCE at a concentration above its respective SGV.

The first sediment sample collected upstream of the Rose Cleaners property noted only three incidental VOCs below any available sediment screening criteria. No VOCs were present at the second sediment sampling location representative of discharges emanating from the on-site drainage pipe from the paved areas at the Rose Cleaners. The third sediment sample reflective of another drainage pipe originating from the rear of the Rose Cleaners building reported two upstream VOCs that appear to be non-site related. The fourth sediment sample collected directly opposite the southwest edge of the Rose Cleaners building, near the soil site impacts reported two site-related VOCs; however, same were below the sediment screening criteria, if available. The fifth sediment sample located at the farthest downstream reported site-related VOCs; however, none were above the NYSDEC sediment screening levels, if available.

6.5 Geophysical Survey and Drainage Investigation

A geophysical survey was performed to identify the possible presence of underground structures such as sanitary or wastewater disposal systems. BEI conducted a magnetometer survey to investigate the area surrounding the building. BEI evaluated the area around the Rose Cleaners building for objects bigger than four square feet. The results of the magnetometer survey revealed one sizeable magnetic anomaly. This anomaly was subsequently identified to be an approximate 5,000 gallon No. 2 fuel oil tank that was abandoned in place by the property owner circa 1992. Other small scale magnetic anomalies

were noted; same were excavated and identified as scrap metal. No other site features were identified that required further evaluation during the remedial investigation.

6.6 Exposure Assessment

The evaluation of the soil exposure pathway indicated that direct contact with VOC-impacted soils can occur if workers or trespassers access the north side of the building. Furthermore, direct contact will likely occur to remediation workers during remediation. Therefore, this exposure pathway is considered complete and immediate action in the form of fencing is recommended for installation to prohibit inadvertent exposure of shallow soils at the north side of the building until remediation can be performed. Under the remediation scenario, appropriate health and safety provisions will be undertaken to mitigate this exposure pathway.

In light of the findings of the soil gas sampling, the potential exists that the inhalation exposure pathway may be a significant issue both on- and off-property. However, although elevated soil gas concentrations exist, both on-site and at the property perimeters, the actual presence of VOCs in indoor air, ambient air, on- or off-site has not yet been quantified. The perimeter sampling locations reported high concentrations of PCE in soil gas clearly necessitating further evaluation of potential off-site receptors. Supplemental testing is required to evaluate the area surrounding the subject property.

A current evaluation of indoor air quality is not feasible within Rose Cleaners given the on-site use of dry-cleaning chemicals. Furthermore, whether or not there is a completed soil gas inhalation exposure pathway within the Rose Cleaners property, it is occupied by workers wherein OSHA generally takes the lead role in addressing occupational exposures. It is acknowledged that this pathway will require evaluation subsequent to remediation, for the future occupant scenario.

The outdoor inhalation pathway was not considered to be complete at the occupied area of the subject property as the majority of the property is paved with asphalt in good condition or covered by a building. The northern exposed soil area with shallow PCE-impacts was

noted to unoccupied with no access from the interior of the building. A fence is proposed for installation to mitigate this exposure pathway until remediation can be performed.

As prior research has confirmed that potable water is supplied to the property and surrounding area by the municipal water authority, the ingestion of impacted groundwater is not a completed exposure pathway. Furthermore, BEI has performed a private well survey as requested by the NYSDOH, confirming that all adjoining addresses are connected to municipal water supply.

The surface water and sediment sampling has confirmed the discharge of dry-cleaning chemicals into the creek. The creek is not knowingly used for potable water supply and it serves as drainage receptor for numerous commercial businesses and residences, increasing the potential for additional uncontrolled off-site impacts. Although impacts are present, no completed exposure pathway via ingestion has been identified at this time. However, as the sediment contaminant concentrations do not exceed applicable criteria, no specific impacts have yet been identified to marine and/or the aquatic ecosystems.

7.0 PROPOSED SUPPLEMENTAL INVESTIGATION

Based upon the data developed by the approved Remedial Investigation Work Plan, BEI has identified supplemental investigatory data needs as follows:

7.1 Soil Gas Sampling, Indoor, Outdoor Ambient, Indoor Air Quality

As tetrachloroethene was detected at all soil gas sampling locations supplemental off-property soil gas investigation is required. A work plan will be prepared that proposes a tiered approach in which a first phase of supplemental off-site soil gas sampling will be performed, with subsequent phases that will include sub slab sampling and/or indoor air quality sampling at potential off-site receptors. In addition to identifying off-site locations for supplemental soil gas samples, sampling will be proposed along preferential pathways such as utility paths. Ambient outdoor air sampling will also be performed at areas that have been identified as potential outdoor inhalation pathways. All off-site locations will require access agreements. If access is not feasible, the NYSDOH/NYSDEC will be contacted in order to ensure that testing of these locations is performed.

7.2 Soil Sampling

Supplemental soil sampling will be proposed to be performed inside and exterior to the dry cleaner building to further identify or dispute the presence of suspected shallow sub-grade PCE source areas. Additional delineation of soil conditions will be performed in order to provide sufficient data for the selection of approach site remediation technologies. In addition to lateral investigation, supplemental subsurface depths will be sampled as necessary (above the water table) to vertically define the PCE impacts.

7.3 Groundwater Sampling

Based upon the data generated to date, supplemental off-site groundwater data to the east-southeast (upgradient), west, north and northwest is necessary to delineate the PCE plume. Access agreements will be required for off-site locations. Arrangements will be made as required. Supplemental depths will be sampled within the aquifer as necessary to vertically

define the PCE and related VOC impacts. Aquifer characteristics will be determined through methods such as slug testing or equivalent.

7.4 Monitoring Well Installation

Based upon the results of supplemental groundwater sampling, a multi-level permanent monitoring well network will be proposed for installation to allow for remedial decision making and future monitoring of remedial actions.

7.5 Sensitive Receptor Analysis & Exposure Assessment

An updated evaluation of the sensitive receptors in the area will be generated based upon the development of more off-property data. Furthermore, the off-property groundwater data will be used to further evaluate potential impacts and exposure assessment relative to surface water, sediment and other media.

7.6 Interim Remediation

As surficial soil impacts have been identified, the remedial work plan will include a scope of work for an interim remediation measure to address the soil area located at the north side of the building.

7.7 Supplemental Studies

Supplemental studies such as pilot testing, slug tests, hydrometer analyses of soils, etc. may be required to determine the most feasible presumptive remedy for site soils and/or groundwater. These will be proposed on an as needed basis as the site investigation/remedial work continues.

TABLES

Sampling Log

Rose Cleaners - 500 Lexington Avenue, Mt. Kisco, New York

Project: Rose Cleaners Mt Kisco, New York
Date: May - June 2005
Page:
Logged By: Jill Haimson, CGWP, PG
Company: BEI
Drilling Started: _____ Ended: _____
Driller: Butch/Pete
Type of Rig: Geoprobe

BORE HOLE DATE
Hole Diameter: Two Inch
Total Depth (2): Variable, see log
SAMPLER
Type: Geoprobe Macrocore/LB
Hammer: Hydraulic

REMARKS: See attached figures for sampling locations.

HNu Response Units,ppm	Sample				Sample Description	Sample
	No.	Rec. %	Depth (ft) bgs	Sample Depth		Lithology USC
0 -15+	SB-01	85	0 - 5 ft bgs	3-4 ft	Rear of the building, downgradient of interior dry cleaning machines. Upper 1.5 ft was organic fill, followed by crushed rock, and fine grained sand with silty clay. 3-4 ft bgs was dark black very fine sand with silty clay layer with PID of 15+ ppm response units.	ML
15+ to 100+	SB-01	95	5 - 9 ft bgs		5–6 ft interval was mixed organic fill with wood. At 6 ft a saturated med-coarse grained sand grey silt (PID 100+ ppm response units) layer was encountered. Same lithology to 8 ft bgs, below the water table interface. The 8-9 ft interval was a dark brown dryer layer. PID response (100+ppm response units). Vertical profiling of groundwater (GW-1) at 4-6 ft; 14-16 ft and 24-26 ft bgs. Also the same locations as MW-2. MW-2 was set with a ten foot screen from 2-10 ft bgs. Depth to water (DTW) was 4.02 ft bgs.	SM
15+ to 150+	SB-02	95	0 - 5 ft bgs	5-6 ft	Opposite rear door at back of the building. Upper one foot was an organic fill, followed by crushed rock, and fine grained sand with silty clay. 3-4 ft bgs was a sandy silty organic layer followed by silty plastic clay and fine sand. Elevated PID (150+ppm response units) at 5 ft bgs- water table interface.	SC
0	SB-02	85	5 - 9 ft bgs	--	5–9 ft interval was composed of saturated organic matter silty clay and sand layer. 7-9 ft interval was a silty clay layer. Vertical profiling of groundwater (GW-2) at 5-7 ft and 15-17 ft bgs.	ML

0-15+	SB-03	95	0 - 5 ft bgs	4-5 ft	Opposite exhaust fans at rear of the building. Upper 3 ft was organic fill with no PID response, followed by crushed rock, and fine grained sand with silty clay. 4-5 ft bgs was silty clay layer with elevated PID (15+ppm response units).Vertical profiling of groundwater (GW-3) at 5-7 ft and 15-17 ft bgs.	SC
1100+ to 9999	SB-04	100	0 - 5 ft bgs	4-5 ft	North side of the building. Upper 4 ft was fine grained sand with silty clay and organic matter. Elevated PID (100+- 9999+ppm response units) at entire interval. Saturated at 5 ft bgs. Vertical profiling of groundwater (GW-4) at 5-7 ft, 15-17 ft bgs and 25-27 ft bgs. Also the same relative location of SB-8.	SC
100-1500+	SB-05	95	0 - 5 ft bgs	3-4 ft	Opposite vent pipe from machine room. Upper 2.5 ft was debris, top soil and concrete chunks. 2.5 to 3 ft was concrete chips. 3-5 ft was a silty clay layer with an elevated PID (1500+ppm response units). Saturated at 5 ft bgs. Vertical profiling of groundwater (GW-5) at 5-7 ft, 15-17 ft bgs and 25-27 ft bgs.	SC
50+	SB-06	95	0 - 5 ft bgs	3-4 ft	West of the chiller pad. Upper 1 ft was loam and roots, followed by brown clay and fine sand with organe brown silt. Elevated PID (50+ppm response units). Saturated at 5 ft bgs. Vertical profiling of groundwater (GW-5) at 5-7 ft, 15-17 ft bgs and 25-27 ft bgs. Vertical profiling of groundwater (GW-6) at 5-7 ft, 15-17 ft bgs and 25-27 ft bgs.	SC
0	SB-07	90	0 - 5 ft bgs	--	Farthest north of the building. 0-5 ft was composed of sandy sitly clay and fine sandy clay. No PID response units. No soil sample collected for analysis. Vertical profiling of groundwater (GW-7) at 5-7 ft, 15-17 ft bgs and 25-27 ft bgs.	SC
100+	SB-08	100	0 - 0.5 ft bgs	6" - 8"	Adjacent to SB-04. Shallow soil sample (loam and gravel) collected as per NYSDOH requirements for exposure pathway assessment. Elevated PID (100+ppm response units). No groundwater collected for analysis -see GW-4.	SC
0	SB-09	100	0 - 5 ft bgs	3-4 ft	Background location (southern-most lateral extent). 0-5 ft sample consisted of fine-coarse sand with clay and silt, interbedded sandy silt and fine sand with clay. Vertical profiling of groundwater (GW-9) at 5-7 ft and 15-17 ft bgs.	SC

0	SB-10	100	0 - 5 ft bgs	3-4 ft	West side of dumpster at southeast corner of property. 0-5 ft was composed of grass, fine sandy silt and plastic clay. No PID response units. Vertical profiling of groundwater (GW-10) at 5-7 ft and 15-17 ft bgs. MW-3 was installed near this boring. Screened from 2-10 ft bgs. DTW was 3.14 ft bgs.	SC
15-70	SB-11	100	0 - 5 ft bgs	0.5 - ft	North side of dumpster at southeast corner of property. 0-5 ft was composed of grass, fine sand with silty clay. Elevated PID (15-70 ppm response units). Vertical profiling of groundwater (GW-11) at 5-7 ft and 15-17 ft bgs.	SC
0	SB-12	95	0 - 5 ft bgs	3-4 ft	East side of dumpster at southeast corner of property. 0-5 ft was composed of grass, fine sand with silty clay. Vertical profiling of groundwater (GW-12) at 5-7 ft and 15-17 ft bgs.	SC
0	SB-13	20	0 - 5 ft bgs	0-3 ft	Southside of dumpster at southeast corner of property. 0-5 ft was composed of organic silty with clay and sand. Vertical profiling of groundwater (GW-13) at 5-7 ft and 15-17 ft bgs.	ML
0	SG-1	-	2- 2.5 ft.	2- 2.5 ft.	Southern perimeter of property.	
4.3	SG-2	-	2- 2.5 ft.	2- 2.5 ft.	Southern perimeter of property.	
0.9	SG-3	-	2- 2.5 ft.	2- 2.5 ft.	Southwest corner of the property, near New Castle Drive.	
61.8	SG-4	-	2- 2.5 ft.	2- 2.5 ft.	Central portion of the rear of the property, near dumpster and New Castle Drive.	
168+	SG-5	-	2- 2.5 ft.	2- 2.5 ft.	North-west property perimeter.	
0	SG-6	-	2- 2.5 ft.	2- 2.5 ft.	North-east property perimeter.	
0	SG-7	-	2- 2.5 ft.	2- 2.5 ft.	North-east property perimeter. MW-1 located nearby. Screened zone from 2- 10 ft bgs. DTW was 5.07 ft bgs.	
0	SG-8	-	2- 2.5 ft.	2- 2.5 ft.	North-east property perimeter, middle front driveway.	
0	SG-9	-	2- 2.5 ft.	2- 2.5 ft.	Sorth-east property perimeter.	
0	SED-1/ SW-1	-	0-1 ft	0-1 ft	Upstream creek, adjacent to steel conduit. This steel conduit was noted to be fed from areas across New Castle Drive as well as from effluent piping from the Lexington Square Café parking lot to the south. Heavy organic load, branches and needles. Flowrate 30 to 50 gallons per minute. SW-2 sample was clear (non-turbid) with no odors or sheens.	
0	SED-2	-	0-6"	0-6"	Heavy organic load, branches and needles. Directly downstream of effluent pipe from southwestern portion of subject property.	

0	SED-3	-	0-6"	0-6"	Sample collected adjacent to culvert, opposite rear door of building. Heavy organic load, branches and needles.	
0	SED-4	-	0-6"	0-6"	Samples collected past southeast corner of building, near area of elevated PID response in soils. Sample was composed of fine sand and organic matter.	
0	SED-5/ SW-2	-	0-6"	0-6"	Downstream, also adjacent to downstream steel culvert. Upstream of automotive repair shop. Sample was very sandy with small pebbles and some organic matter. SW-2 sample was clear (non-turbid) with no odors or sheens.	
--	Culvert		unknown	0-6"	Water sample collected from steel drain culvert that originates from location of parking lot of Lexington Café parking lot.	

Remarks:
(1) In feet above mean sea level from measuring point located on top of well casing
(2) All depths in feet below land surface.

Ft bgs =feet below grade surface
ppm response units = parts per million PID response units.

VOLATILE ORGANICS EPA Compendium METHOD TO-15

Rose Cleaners, 500 Lexington Avenue, Mt. Kisco, NY

	SDG 107488 Berninger Sample ID: Laboratory ID: Sampling Date:		SG-1 (2.0-2.5ft) 622705 05/24	SG-2 (2.0-2.5 ft) 622706 05/24	SG-3 (2.0-2.5 ft) 622707 05/24	SG-4 (2.0-2.5 ft) 622708 05/24	SG-5 (2.0-2.5 ft) 622709 05/24	SG-6 (2.0-2.5 ft) 622710 05/24	SG-7 (2.0-2.5 ft) 622711 05/25	SG-8 (2.0-2.5 ft) 622712 05/25	SG-9 (2.0-2.5 ft) 622713 05/25
Cas #	Analyte	Units:									
-4	Dichlorodifluoromethane	ppbv	0.51	10 U	5.0 U	400 U	1500 U	250 U	0.50 U	0.50 U	0.50 U
-16	Chloromethane	ppbv	0.50 U	10 U	5.0 U	400 U	1500 U	250 U	0.50 U	0.50 U	0.72
70	Vinyl Chloride	ppbv	0.20 U	150	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
-18	Bromomethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
72	Chloroethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
2	Trichlorofluoromethane	ppbv	0.23	4.0 U	2.0 U	160 U	600 U	100 U	1.1	16	2.5
82	Freon TF	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
36	1,1-Dichloroethene	ppbv	0.20 U	12	2.0 U	160 U	620	100 U	0.20 U	0.20 U	0.20 U
64	Methylene Chloride	ppbv	0.50 U	21	5.0 U	400 U	1500 U	250 U	2.8	0.50 U	0.50 U
38	1,1-Dichloroethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
95	cis-1,2-Dichloroethene	ppbv	0.20 U	550	5.7	8400	1800	100 U	0.20 U	0.20 U	0.20 U
-2	Chloroform	ppbv	0.20 U	4.0 U	2.1	160 U	600 U	100 U	0.20 U	0.31	0.20 U
10	1,1,1-Trichloroethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.51
28	Carbon Tetrachloride	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
26	Benzene	ppbv	0.24	4.3	2.0 U	160 U	600 U	100 U	0.22	0.35	6.3
99	1,2-Dichloroethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
72	Trichloroethene	ppbv	0.20 U	630	46	3100	3100	240	0.20 U	0.20 U	0.38
-14	1,2-Dichloropropane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
10055	cis-1,3-Dichloropropene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
17	Toluene	ppbv	1.1	17	5.9	160 U	620	120	4.4	3.2	8.1
10053	trans-1,3-Dichloropropene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
74	1,1,2-Trichloroethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
105	Tetrachloroethene	ppbv	2.9	610	320	20000	82000	15000	12	15	27
11	Chlorobenzene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
55	Ethylbenzene	ppbv	0.20 U	4.2	2.0 U	160 U	600 U	100 U	0.96	0.76	2.3
1303	Xylene (m,p)	ppbv	0.44	10	4.7	160 U	600 U	100 U	4.2	2.4	8.2
53	Styrene	ppbv	0.20 U	4.2	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
42	Xylene (o)	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	1.5	0.73	3.0
40	1,1,2,2-Tetrachloroethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
467	1,3-Dichlorobenzene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
53	1,4-Dichlorobenzene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
44	1,2-Dichlorobenzene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
37	1,2,4-Trichlorobenzene	ppbv	0.50 U	10 U	5.0 U	400 U	1500 U	250 U	0.50 U	0.50 U	0.50 U
16	Hexachlorobutadiene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
33	1,3,5-Trimethylbenzene	ppbv	0.20 U	4.0 UJ	2.0 U	160 UJ	600 UJ	100 UJ	0.66 J	0.20 UJ	0.71
26	1,2,4-Trimethylbenzene	ppbv	0.50 U	4.0 U	2.0 U	160 U	600 U	100 U	1.7	0.28	1.8
60	1,2-Dichlorotetrafluoroethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
9	1,2-Dibromoethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
7	1,3-Butadiene	ppbv	0.22	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.42	16
60	Carbon Disulfide	ppbv	0.50 U	31	5.0 U	400 U	1600	280	0.50 U	0.50 U	4.5
11	Cyclohexane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.72
75	Dibromochloromethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
48	Bromoform	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
44	Bromodichloromethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
91	trans-1,2-Dichloroethene	ppbv	0.20 U	4.0 U	2.0 U	300	600 U	100 U	0.20 U	0.20 U	0.20 U
518	4-Ethyltoluene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	1.6	0.48	2.0
101	3-Chloropropene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
455	2,2,4-Trimethylpentane	ppbv	1.9	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
531	Bromoethene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
38	2-Chlorotoluene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
53	n-Hexane	ppbv	0.57	4.4	2.0 U	160 U	600 U	100 U	1.0	0.49	5.5
55	n-Heptane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.27	0.37	3.1
	Total VOC Concentration (ppbv)										

TABLE 2 - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED (TO-15) IN SOIL GAS WITH COMPARISON TO NYSDOH DATABASE FOR INDOOR AIR

Rose Cleaners, 500 Lexington Avenue, Mt. Kisco, NY

	SDG 107468 Berninger Sample ID: Laboratory ID: Sampling Date:		SG-1 (2.0-2.5ft) 622705 05/24		SG-2 (2.0-2.5 ft) 622706 05/24		SG-3 (2.0-2.5 ft) 622707 05/24		SG-4 (2.0-2.5 ft) 622708 05/24		SG-5 (2.0-2.5 ft) 622709 05/24		SG-6 (2.0-2.5 ft) 622710 05/24		SG-7 (2.0-2.5 ft) 622711 05/25		SG-8 (2.0-2.5 ft) 622712 05/25		SG-9 (2.0-2.5 ft) 622713 05/25		NYSDOH Indoor Air Concentrations Database 1989 to 1996	
Cas #	Analyte	Units:																				
-4	**Dichlorodifluoromethane**	ug/m3	1.8		20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
-16	**Chloromethane**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1.5		NA	
70	**Vinyl Chloride**	ug/m3	1	U	**387**		10	U	800	U	3000	U	500	U	1	U	1	U	1	U	1	U
-18	**Bromomethane**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
72	**Chloroethane**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
2	**Trichlorofluoromethane**	ug/m3	1.0		20	U	10	U	800	U	3000	U	500	U	4.6		67.3		10.5		NA	
62	**Freon TF**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
36	**1,1-Dichloroethene**	ug/m3	1	U	**48.0**		10	U	800	U	**2480**		500	U	1	U	1	U	1	U	1	U
64	**Methylene Chloride**	ug/m3	1	U	**73.5**		10	U	800	U	3000	U	500	U	**9.8**		1	U	1	U	1	U
38	**1,1-Dichloroethane**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	1	U
95	**cis-1,2-Dichloroethene**	ug/m3	1	U	**2200**		**22.8**		**33600**		**4000**		500	U	1	U	1	U	1	U	NA	
-2	**Chloroform**	ug/m3	1	U	20	U	7.3		800	U	3000	U	500	U	1	U	1.1		1	U	NA	
10	**1,1,1-Trichloroethane**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	2.1		-4.3	
28	**Carbon Tetrachloride**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
26	**Benzene**	ug/m3	0.8		**14.0**		10	U	800	U	3000	U	500	U	0.7		1.1		**20.6**		ND - 5	
99	**1,2-Dichloroethane**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	1	U
72	**Trichloroethene**	ug/m3	1	U	**2494**		**182**		**12270**		**12270**		**950**		1	U	1	U	1.5		2.7	U
-14	**1,2-Dichloropropane**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
10055	**cis-1,3-Dichloropropene**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
17	**Toluene**	ug/m3	4.2		**65.2**		22.6		800	U	**2377**		**460**		16.9		12.3		**31.1**		-18.5	
10053	**trans-1,3-Dichloropropene**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
74	**1,1,2-Trichloroethane**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
105	**Tetrachloroethene**	ug/m3	**19.8**		**4168**		**2187**		**136667**		**560333**		**102500**		**82.0**		**102.5**		**184.5**		3.7	U
11	**Chlorobenzene**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
55	**Ethylbenzene**	ug/m3	1	U	**15.9**		10	U	800	U	3000	U	500	U	3.6		2.9		**8.7**		-3.1	
1303	**Xylene (m,p)**	ug/m3	1.9		**44.2**		**17.8**		800	U	3000	U	500	U	**18.6**		**10.6**		**36.2**		12/23	
53	**Styrene**	ug/m3	1	U	18.2		10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
42	**Xylene (o)**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	**6.6**		3.2		**13.3**		12/27	
40	**1,1,2,2-Tetrachloroethane**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
467	**1,3-Dichlorobenzene**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
53	**1,4-Dichlorobenzene**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	2	U
44	**1,2-Dichlorobenzene**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	2	U
37	**1,2,4-Trichlorobenzene**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
16	**Hexachlorobutadiene**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
33	**1,3,5-Trimethylbenzene**	ug/m3	1	U	20	UJ	10	U	800	UJ	3000	UJ	500	UJ	2.4	J	1	UJ	3.1		5	U
26	**1,2,4-Trimethylbenzene**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	**7.4**		1.2		**7.9**		-4.8	
60	**1,2-Dichlorotetrafluoroethane**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
9	**1,2-Dibromoethane**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
7	**1,3-Butadiene**	ug/m3	0.5		20	U	10	U	800	U	3000	U	500	U	1	U	0.9		36.0		NA	
60	**Carbon Disulfide**	ug/m3	1	U	**98.2**		10	U	800	U	**5067**		**823**		1	U	1	U	**14.3**		1	U
11	**Cyclohexane**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
75	**Dibromochloromethane**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
48	**Bromoform**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
44	**Bromodichloromethane**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
91	**trans-1,2-Dichloroethene**	ug/m3	1	U	20	U	10	U	1200		3000	U	500	U	1	U	1	U	1	U	NA	
518	**4-Ethyltoluene**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	7.0		2.1		8.8		NA	
101	**3-Chloropropene**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
455	**2,2,4-Trimethylpentane**	ug/m3	4.5		20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
531	**Bromoethene**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
38	**2-Chlorotoluene**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	1	U	1	U	1	U	NA	
53	**n-Hexane**	ug/m3	1.4		10.5		10	U	800	U	3000	U	500	U	2.4		1.2		13.1		NA	
55	**n-Heptane**	ug/m3	1	U	20	U	10	U	800	U	3000	U	500	U	0.6		0.9		7.4		NA	

NA - Not available

Bolded number is present at concentrations in excess of the NYSDOH Indoor Air Concentrations Database

TABLE 3 - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED AND/OR ELEVATED ABOVE NYSDEC SOIL CLEANUP OBJECTIVES

Rose Cleaners 500 Lexington Avenue, Mt. Kisco, NY

SDG BER019, BER 021 Berninger Sample ID: Laboratory ID: Sampling Date: % Moisture units: ug/kg (dry wt) Analyte	SB-1 (3-4 ft) 505762 05/24 32	SB-2 (5-6 ft) 505761 05/24 21.9	SB-3 (4-5 ft) 505760 05/24 37.4	SB-4 (4-5 ft) 505759 05/24 36.7	SB-5 (3-4 ft) 505758 05/25 25.2	SB-6 (3-4 ft) 505757 05/25 26.5	SB-8 (6"-8") 505756 05/25 2.6	Field Blank 5/24 505755 05/24 NA	NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES
Chloromethane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	NA
Bromomethane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	NA
Vinyl Chloride	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	200
Chloroethane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	1,900
Methylene Chloride	15 UJ	13 UJ	16 UJ	160 UJ	130 UJ	14 UJ	10 UJ	5 UJ	100
Acetone	72	54	16 U	370	130 U	14 U	10 U	5 U	200
Carbon Disulfide	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	2,700
1,1-Dichloroethene	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	400
1,1-Dichloroethane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	200
1,2-Dichloroethene (total)	260	170	180	7800 J	130 U	12 J	6 J	5 U	300
2-Butanone	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	300
Chloroform	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	300
1,2-Dichloroethane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	100
1,1,1-Trichloroethane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	800
Carbon Tetrachloride	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	600
Bromodichloromethane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	NA
1,2-Dichloropropane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	NA
cis-1,3-Dichloropropene	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	NA
Trichloroethene	26	11 J	280	75000	44 J	10 J	13	5 U	700
Benzene	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	60
Dibromochloromethane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	300
trans-1,3-Dichloropropene	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	NA
1,1,2-Trichloroethane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	NA
Bromoform	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	NA
4-Methyl-2-Pentanone	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	1,000
2-Hexanone	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	NA
Tetrachloroethene	270	110	34000	1600000	51000	15000	4300	5 U	1,400
1,1,2,2-Tetrachloroethane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	600
Toluene	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	1,500
Chlorobenzene	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	1,700
Ethylbenzene	15 U	6 J	16 U	160 U	130 U	14 U	10 U	5 U	5,500
Styrene	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	1,200
Xylene (total)	15 U	49	16 U	160 U	130 U	14 U	10 U	5 U	NA
TOTAL VOCS	628	400	34460	1683170	51044	15022	4319	ND	10,000
TOTAL TENTATIVELY IDENTIFIED CMPDS	ND	4220	18	272	ND	29	52	ND	

NA=Not Applicabl

ND=None Detecte

TABLE 3 - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED AND/OR ELEVATED ABOVE NYSDEC SOIL CLEANUP OBJECTIVES

Rose Cleaners 500 Lexington Avenue, Mt. Kisco, NY

SDG BER019, BER 021 Berninger Sample ID:	SB-9 (3-4 ft)	SB-10 (3-4 ft)	SB-11 (0.5-1 ft)	SB-12 (3-4 ft)	SB-13 (0-3 ft)	NYSDEC TAGM
Laboratory ID:	506058	506057	506056	506055	506054	RECOMMENDED
Sampling Date:	06/01	06/01	06/01	06/01	06/01	SOIL CLEANUP
% Moisture	17.2	21.5	6	22.8	12	OBJECTIVES
units: ug/kg (dry wt)						
Analyte						
Chloromethane	12 U	13 U	11 U	13 U	11 U	NA
Bromomethane	12 U	13 U	11 U	13 U	11 U	NA
Vinyl Chloride	12 U	13 U	11 U	13 U	11 U	200
Chloroethane	12 U	13 U	11 U	13 U	11 U	1,900
Methylene Chloride	12 UJ	13 UJ	11 UJ	13 UJ	11 UJ	100
Acetone	12 U	13 U	11 U	13 U	11 U	**200**
Carbon Disulfide	12 U	13 U	11 U	13 U	11 U	2,700
1,1-Dichloroethene	12 U	13 U	11 U	13 U	11 U	400
1,1-Dichloroethane	12 U	13 U	11 U	13 U	11 U	200
1,2-Dichloroethene (total)	12 U	14	11 U	21	11 U	300
2-Butanone	12 U	13 U	11 U	13 U	11 U	300
Chloroform	12 U	13 U	11 U	13 U	11 U	300
1,2-Dichloroethane	12 U	13 U	11 U	13 U	11 U	100
1,1,1-Trichloroethane	12 U	13 U	11 U	13 U	11 U	800
Carbon Tetrachloride	12 U	13 U	11 U	13 U	11 U	600
Bromodichloromethane	12 U	13 U	11 U	13 U	11 U	NA
1,2-Dichloropropane	12 U	13 U	11 U	13 U	11 U	NA
cis-1,3-Dichloropropene	12 U	13 U	11 U	13 U	11 U	NA
Trichloroethene	12 U	46	11 U	22	11 U	700
Benzene	12 U	13 U	11 U	13 U	11 U	60
Dibromochloromethane	12 U	13 U	11 U	13 U	11 U	300
trans-1,3-Dichloropropene	12 U	13 U	11 U	13 U	11 U	NA
1,1,2-Trichloroethane	12 U	13 U	11 U	13 U	11 U	NA
Bromoform	12 U	13 U	11 U	13 U	11 U	NA
4-Methyl-2-Pentanone	12 U	13 U	11 U	13 U	11 U	1,000
2-Hexanone	12 U	13 U	11 U	13 U	11 U	NA
Tetrachloroethene	12 U	**15000**	11 U	740	11 U	**1,400**
1,1,2,2-Tetrachloroethane	12 U	13 U	11 U	13 U	11 U	600
Toluene	12 U	13 U	11 U	13 U	11 U	1,500
Chlorobenzene	12 U	13 U	11 U	13 U	11 U	1,700
Ethylbenzene	12 U	13 U	11 U	13 U	11 U	5,500
Styrene	12 U	13 U	11 U	13 U	11 U	1,200
Xylene (total)	12 U	13 U	11 U	13 U	11 U	NA
TOTAL VOCS	ND	**15060**	ND	**783**	ND	**10,000**
TOTAL TENTATIVELY IDENTIFIED CMPDS	ND	ND	ND	ND	ND	

NA=Not Applicable
ND=None Detected

TABLE 4 - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED AND/OR ELEVATED ABOVE NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS

Rose Cleaners 500 Lexington Avenue, Mt. Kisco, NY

SDG BER020 Berninger Sample ID: Laboratory ID: Sampling Date:	505763 GW-1 (4-6 ft)		505762 GW-1 (14-16 ft)		505761 GW-1 (24-26 ft)		505760 GW-2 (5-7 ft)		505759 GW-2 (15-17 ft)		505758 GW-2 (25-27 ft)		505757 GW-3 (5-7 ft)		NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS GUIDANCE VALUES units: ug/L
% Moisture	NA		NA		NA		NA		NA		NA		NA		
units: ug/L	05/24		05/24		05/24		05/24		05/24		05/24		05/24		
Analyte															
Chloromethane	25	U	25	U	25	U	25	U	5	U	5	U	100	U	NA
Bromomethane	25	U	25	U	25	U	25	U	5	U	5	U	100	U	5
Vinyl Chloride	6900		42		16	J	86		5	U	5	U	80	J	2
Chloroethane	25	U	25	U	25	U	25	U	5	U	5	U	100	U	50
Methylene Chloride	25	U	25	U	25	U	25	U	5	U	5	U	100	U	5
Acetone	25	UJ	25	UJ	25	UJ	25	UJ	5	UJ	6	J	100	UJ	50
Carbon Disulfide	25	U	25	U	25	U	25	U	5	U	5	U	100	U	50
1,1-Dichloroethene	8	J	25	U	25	U	25	U	5	U	5	U	100	U	5
1,1-Dichloroethane	25	U	25	U	25	U	25	U	5	U	5	U	100	U	5
1,2-Dichloroethene (total)	13000		110		45		2800		14		32		3500		5
2-Butanone	25	U	25	U	25	U	25	U	5	U	5	U	100	U	50
Chloroform	25	U	25	U	25	U	25	U	5	U	2	J	100	U	7
1,2-Dichloroethane	25	U	25	U	25	U	25	U	5	U	5	U	100	U	5
1,1,1-Trichloroethane	25	U	25	U	25	U	25	U	5	U	5	U	100	U	5
Carbon Tetrachloride	25	U	25	U	25	U	25	U	5	U	5	U	100	U	5
Bromodichloromethane	25	U	25	U	25	U	25	U	5	U	5	U	100	U	50
1,2-Dichloropropane	25	U	25	U	25	U	25	U	5	U	5	U	100	U	1
cis-1,3-Dichloropropene	25	U	25	U	25	U	25	U	5	U	5	U	100	U	5
Trichloroethene	25	U	25	U	25	U	230		8		8		560		5
Benzene	25	U	25	U	25	U	25	U	5	U	5	U	100	U	0.7
Dibromochloromethane	25	U	25	U	25	U	25	U	5	U	5	U	100	U	NA
trans-1,3-Dichloropropene	25	U	25	U	25	U	25	U	5	U	5	U	100	U	NA
1,1,2-Trichloroethane	25	U	25	U	25	U	25	U	5	U	5	U	100	U	5
Bromoform	25	U	25	U	25	U	25	U	5	U	5	U	100	U	50
4-Methyl-2-Pentanone	25	U	25	U	25	U	25	U	5	U	5	U	100	U	50
2-Hexanone	25	U	25	U	25	U	25	U	5	U	5	U	100	U	50
Tetrachloroethene	14	J	14000		2300		1200		140		220		1500		5
1,1,2,2-Tetrachloroethane	25	U	25	U	25	U	25	U	5	U	5	U	100	U	5
Toluene	25	U	25	U	25	U	25	U	5	U	5	U	100	U	5
Chlorobenzene	25	U	25	U	25	U	25	U	5	U	5	U	100	U	5
Ethylbenzene	6	J	25	U	25	U	25	U	5	U	5	U	100	U	5
Styrene	25	U	25	U	25	U	25	U	5	U	5	U	100	U	5
Xylene (total)	8	J	25	U	25	U	25	U	5	U	5	U	100	U	5
TOTAL VOCS	19936		14152		2361		4316		162		268		5640		
TOTAL TENTATIVELY IDENTIFIED CMPDS	87		ND		ND		ND		ND		ND		ND		

NA = Not Applicable

ND=None Detected

TABLE 4 - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED AND/OR ELEVATED ABOVE NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS

Rose Cleaners 500 Lexington Avenue, Mt. Kisco, NY

SDG BER020 Berninger Sample ID: Laboratory ID: Sampling Date:	505756 GW-3 (15-17 ft)	505755 GW-4 (5-7 ft)	505754 GW-4 (15-17 ft)	505753 GW-4 (25-27 ft)	505752 GW-5 (5-7 ft)	505751 GW-5 (15-17 ft)	505750 GW-5 (25-27 ft)	NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS GUIDANCE VALUES units: ug/L
% Moisture	NA	NA	NA	NA	NA	NA	NA	
units: ug/L	05/24	05/24	05/24	05/24	05/25	05/25	05/25	
Analyte								
Chloromethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	NA
Bromomethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Vinyl Chloride	12 U	**400**	250 U	250 U	1200 U	1200 U	1200 U	**2**
Chloroethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	50
Methylene Chloride	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Acetone	12 U	250 UJ	250 UJ	250 UJ	1200 UJ	1200 UJ	1200 UJ	50
Carbon Disulfide	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	50
1,1-Dichloroethene	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
1,1-Dichloroethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
1,2-Dichloroethene (total)	**55**	**11000**	**480**	**440**	1200 U	**1100 J**	**660 J**	**5**
2-Butanone	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	50
Chloroform	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	7
1,2-Dichloroethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
1,1,1-Trichloroethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Carbon Tetrachloride	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Bromodichloromethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	50
1,2-Dichloropropane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	1
cis-1,3-Dichloropropene	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Trichloroethene	**20**	**10000**	**590**	**430**	1200 U	**2200**	**1800**	5
Benzene	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	0.7
Dibromochloromethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	NA
trans-1,3-Dichloropropene	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	NA
1,1,2-Trichloroethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Bromoform	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	50
4-Methyl-2-Pentanone	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	50
2-Hexanone	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	50
Tetrachloroethene	**150**	**66000**	**57000**	**12000**	**240000**	**300000**	**300000**	**5**
1,1,2,2-Tetrachloroethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Toluene	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Chlorobenzene	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Ethylbenzene	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Styrene	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Xylene (total)	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
TOTAL VOCS	**225**	**76400**	**58070**	**12870**	**240000**	**303300**	**302460**	
TOTAL TENTATIVELY IDENTIFIED CMPDS	**37**	**ND**	**ND**	**ND**	**ND**	**ND**	**ND**	

NA = Not Applicable

ND=None Detected

TABLE 4 - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED AND/OR ELEVATED ABOVE NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS

Rose Cleaners 500 Lexington Avenue, Mt. Kisco, NY

SDG BER020 Berninger Sample ID: Laboratory ID: Sampling Date: % Moisture units: ug/L Analyte	505749 GW-6 (5-7 ft) NA 05/25	505748 GW-6 (15-17 ft) NA 05/25	505747 GW-6 (25-27 ft) NA 05/25	505746 GW-7 (5-7 ft) NA 05/25	505745 GW-7 (15-17 ft) NA 05/25	505744 GW-7 (25-27 ft) NA 05/25	505743 Trip Blank 5/24 NA 05/24	505742 Trip Blank 5/25 NA 05/25	NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS GUIDANCE VALUES units: ug/L
Chloromethane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	NA
Bromomethane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Vinyl Chloride	6 J	100 U	100 U	100 U	28	8 J	5 U	5 U	2
Chloroethane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	50
Methylene Chloride	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Acetone	25 UJ	100 UJ	100 UJ	100 UJ	25 UJ	25 UJ	5 U	5 U	50
Carbon Disulfide	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	50
1,1-Dichloroethene	25 U	100 U	100 U	100 U	11 J	36	5 U	5 U	5
1,1-Dichloroethane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
1,2-Dichloroethene (total)	360	22 J	34 J	81 J	360	160	5 U	5 U	5
2-Butanone	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	50
Chloroform	25 U	100 U	100 U	100 U	25 U	7 J	5 U	5 U	7
1,2-Dichloroethane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
1,1,1-Trichloroethane	25 U	100 U	100 U	100 U	25 U	6 J	5 U	5 U	5
Carbon Tetrachloride	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Bromodichloromethane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	50
1,2-Dichloropropane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	1
cis-1,3-Dichloropropene	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Trichloroethene	860	50 J	48 J	32 J	480	420	5 U	5 U	5
Benzene	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	0.7
Dibromochloromethane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	NA
trans-1,3-Dichloropropene	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	NA
1,1,2-Trichloroethane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Bromoform	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	50
4-Methyl-2-Pentanone	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	50
2-Hexanone	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	50
Tetrachloroethene	34000	2500	1400	1200	160000	140000	5 U	5 U	5
1,1,2,2-Tetrachloroethane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Toluene	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Chlorobenzene	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Ethylbenzene	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Styrene	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Xylene (total)	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
TOTAL VOCS	35226	2572	1482	1313	160877	140637	ND	ND	
TOTAL TENTATIVELY IDENTIFIED CMPDS	ND	ND	ND	ND	ND	ND	ND	ND	

NA = Not Applicable

ND=None Detected

TABLE 4a - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED AND/OR ELEVATED ABOVE NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS

Rose Cleaners 500 Lexington Avenue, Mt. Kisco, NY

SDG BER022 Berninger Sample ID: Laboratory ID: Sampling Date: % Moisture units: ug/L Analyte	GW-9 (5-7 FT.) 506065 06/01 NA	GW-9 (15-17 ft.) 506064 06/01 NA	GW-10 (5-7 ft.) 506063 06/01 NA	GW-10 (15-17 ft.) 506062 06/01 NA	GW-11 (5-7 ft.)) 506061 06/01 NA	GW-11 (15-17 ft.) 506060 06/01 NA	GW-12 (5-7 ft.) 506059 06/01 NA	NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS GUIDANCE VALUES units: ug/L
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Bromomethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Vinyl Chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	50
Methylene Chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Acetone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	50
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U	50
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
1,2-Dichloroethene (total)	5 U	5 U	**15**	**7**	2 J	3 J	**220**	**5**
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	50
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	7
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	50
1,2-Dichloropropane	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	1
cis-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Trichloroethene	5 UJ	5 UJ	**47 J**	**17 J**	**4 J**	**3 J**	**1200 J**	**5**
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.7
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
trans-1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	50
4-Methyl-2-Pentanone	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	50
2-Hexanone	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	50
Tetrachloroethene	2 J	2 J	**380**	**120**	**28**	**17**	**5800**	**5**
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Toluene	5 U	5 U	5 U	5 U	5 U	1 J	5 U	5
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Xylene (total)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
TOTAL VOCS	**2**	**2**	**442**	**144**	**32**	**24**	**7220**	
TOTAL TENTATIVELY IDENTIFIED CMPDS	**18**	**33**	**ND**	**21**	**5**	**8**	**18**	

NA = Not Applicable
ND=None Detected

TABLE 4a - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED AND/OR ELEVATED ABOVE NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS

Rose Cleaners 500 Lexington Avenue, Mt. Kisco, NY

SDG SER022 Berninger Sample ID: Laboratory ID: Sampling Date: % Moisture units: ug/L Analyte	GW-12 (15-17 ft.) 506056 06/01 NA	GW-13 (6-7 ft.) 506057 06/01 NA	GW-13 (15-17 ft.) 506058 06/01 NA	Trip Blank 506061 06/01 NA	Field Blank 506062 06/01 NA	NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS GUIDANCE VALUES units: ug/L
Chloromethane	5 U	5 U	50 U	5 U	5 U	NA
Bromomethane	5 U	5 U	50 U	5 U	5 U	5
Vinyl Chloride	5 U	5 U	50 U	5 U	5 U	2
Chloroethane	5 U	5 U	50 U	5 U	5 U	50
Methylene Chloride	5 U	5 U	50 U	5 U	5 U	5
Acetone	5 U	5 U	50 U	5 U	5 U	50
Carbon Disulfide	5 U	5 U	50 U	5 U	5 U	50
1,1-Dichloroethene	5 U	5 U	50 U	5 U	5 U	5
1,1-Dichloroethane	5 U	5 U	50 U	5 U	5 U	5
1,2-Dichloroethene (total)	120	210	330	5 U	5 U	5
2-Butanone	5 U	5 U	50 U	5 U	5 U	50
Chloroform	5 U	5 U	50 U	5 U	5 U	7
1,2-Dichloroethane	5 U	5 U	50 U	5 U	5 U	5
1,1,1-Trichloroethane	5 U	5 U	50 U	5 U	5 U	5
Carbon Tetrachloride	5 U	5 U	50 U	5 U	5 U	5
Bromodichloromethane	5 U	5 U	50 U	5 U	5 U	50
1,2-Dichloropropane	5 UJ	5 UJ	50 UJ	5 UJ	5 UJ	1
cis-1,3-Dichloropropene	5 U	5 U	50 U	5 U	5 U	5
Trichloroethene	910 J	640 J	560 J	5 U	5 U	5
Benzene	5 U	5 U	50 U	5 U	5 U	0.7
Dibromochloromethane	5 U	5 U	50 U	5 U	5 U	NA
trans-1,3-Dichloropropene	5 U	5 U	50 U	5 U	5 U	NA
1,1,2-Trichloroethane	5 U	5 U	50 U	5 U	5 U	5
Bromoform	5 U	5 U	50 U	5 U	5 U	50
4-Methyl-2-Pentanone	5 UJ	5 UJ	50 UJ	5 U	5 U	50
2-Hexanone	5 UJ	5 UJ	50 UJ	5 U	5 U	50
Tetrachloroethene	5400	3500	1900	5 U	5 U	5
1,1,2,2-Tetrachloroethane	5 U	5 U	50 U	5 U	5 U	5
Toluene	5 U	5 U	50 U	5 U	5 U	5
Chlorobenzene	5 U	5 U	50 U	5 U	5 U	5
Ethylbenzene	5 U	5 U	50 U	5 U	5 U	5
Styrene	5 U	5 U	50 U	5 U	5 U	5
Xylene (total)	5 U	5 U	50 U	5 U	5 U	5
TOTAL VOCS	6430	4350	2790	0	0	
TOTAL TENTATIVELY IDENTIFIED CMPDS	31	24	ND	ND	ND	

NA = Not Applicable

ND=None Detected

TABLE 5 - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED AND/OR ELEVATED ABOVE NYSDEC CLASS A, A-S, AA, AA-S, B, C, D WATER QUALITY STANDARDS

Rose Cleaners, 500 Lexington Avenue, Mt. Kisco, NY

SDG BER022 Berninger Sample ID: Laboratory ID: Sampling Date:	Culvert 506055 06/01		SW-1 (0-1 ft.) 506054 06/01		SW-2 (0-0.5 ft.) 506053 06/01		NYSDEC WATER QUALITY STANDARDS GUIDANCE VALUES units: ug/L
% Moisture	NA		NA		NA		
units: ug/L Analyte							
Chloromethane	5	U	5	U	5	U	NA
Bromomethane	5	U	5	U	5	U	5
Vinyl Chloride	5	U	5	U	5	U	0.3
Chloroethane	5	U	5	U	5	U	50
Methylene Chloride	**5**		5	U	5	U	5
Acetone	5	U	5	U	5	U	50
Carbon Disulfide	5	U	5	U	5	U	50
1,1-Dichloroethene	5	U	5	U	5	U	5
1,1-Dichloroethane	5	U	5	U	5	U	5
1,2-Dichloroethene (total)	5	U	5	U	**4**	**J**	5
2-Butanone	**29**		5	U	5	U	50
Chloroform	**10**		5	U	5	U	7
1,2-Dichloroethane	5	U	5	U	5	U	0.6
1,1,1-Trichloroethane	5	U	5	U	5	U	5
Carbon Tetrachloride	5	U	5	U	5	U	0.4
Bromodichloromethane	5	U	5	U	5	U	50
1,2-Dichloropropane	5	UJ	5	UJ	5	UJ	1
cis-1,3-Dichloropropene	5	U	5	U	5	U	5
Trichloroethene	5	UJ	5	UJ	**2**	**J**	**5**
Benzene	5	U	5	U	5	U	11
Dibromochloromethane	5	U	5	U	5	U	NA
trans-1,3-Dichloropropene	5	U	5	U	5	U	NA
1,1,2-Trichloroethane	5	U	5	U	5	U	1
Bromoform	5	U	5	U	5	U	50
4-Methyl-2-Pentanone	**2**	**J**	5	UJ	5	UJ	NA
2-Hexanone	5	UJ	5	UJ	5	UJ	50
Tetrachloroethene	5	U	5	U	**11**		**1**
1,1,2,2-Tetrachloroethane	5	U	5	U	5	U	5
Toluene	5	U	5	U	5	U	5
Chlorobenzene	5	U	5	U	5	U	5
Ethylbenzene	5	U	5	U	5	U	5
Styrene	5	U	5	U	5	U	5
Xylene (total)	5	U	5	U	5	U	5
TOTAL VOCS	**46**		**0**		**17**		
TOTAL TENTATIVELY IDENTIFIED CMPDS	**294**		**ND**		**ND**		

NA = Not Applicable
ND=None Detected

Specific water class is unknown - comparative base listed is for NYSDEC CLASS A, A-S, AA, AA-S, B, C, D Water Quality Standards or Gudance Values (SGVs).

TABLE 6 - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED AND/OR ELEVATED ABOVE NYSDEC SEDIMENT SCREENING LEVELS

Rose Cleaners 500 Lexington Avenue, Mt. Kisco, NY

SDG BER019, BER 021 Berninger Sample ID: Laboratory ID: Sampling Date: % Moisture units: ug/kg (dry wt) Analyte		SED-1 (0-6") 0506059-006 06/01 74.9		SED-2 (0-6") 0506059-007 06/01 82.5		SED-3 (0-6") 0506059-008 06/01 74.1		SED-4 (0-6") 0506059-009 06/01 61.2		SED-5 (0-6") 0506059-010 06/01 13.6		NYSDEC TECH GUID SEDIMENT SCREENING CRITERIA ug/gOC		NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVES ug/kg
Chloromethane	U	40	U	57	U	39	U	26	U	12	U			NA
Bromomethane	U	40	U	57	U	39	U	26	U	12	U			NA
Vinyl Chloride	U	40	U	57	U	39	U	26	U	12	U			200
Chloroethane	U	40	U	57	U	39	U	26	U	12	U			1,900
Methylene Chloride	UJ	42	UJ	57	UJ	39	UJ	26	UJ	12	UJ			100
Acetone	U	**580**		57	U	39	U	26	U	12	U	NA		200
Carbon Disulfide	U	40	U	57	U	39	U	26	U	12	U			2,700
1,1-Dichloroethene	U	40	U	57	U	39	U	26	U	12	U			400
1,1-Dichloroethane	U	40	U	57	U	39	U	26	U	12	U			200
1,2-Dichloroethene (total)	U	40	U	57	U	39	U	**81**		**4**	**J**	NA		300
2-Butanone	U	**76**		57	U	**100**		26	U	12	U	NA		300
Chloroform	U	40	U	57	U	39	U	26	U	12	U			300
1,2-Dichloroethane	U	40	U	57	U	39	U	26	U	12	U			100
1,1,1-Trichloroethane	U	40	U	57	U	39	U	26	U	12	U			800
Carbon Tetrachloride	U	40	U	57	U	39	U	26	U	12	U			600
Bromodichloromethane	U	40	U	57	U	39	U	26	U	12	U			NA
1,2-Dichloropropane	U	40	U	57	U	39	U	26	U	12	U			NA
cis-1,3-Dichloropropene	U	40	U	57	U	39	U	26	U	12	U			NA
Trichloroethene	U	40	U	57	U	39	U	**5**	**J**	**5**	**J**	NA	2,000(1)	700
Benzene	U	40	U	57	U	39	U	26	U	12	U			60
Dibromochloromethane	U	40	U	57	U	39	U	26	U	12	U			300
trans-1,3-Dichloropropene	U	40	U	57	U	39	U	26	U	12	U			NA
1,1,2-Trichloroethane	U	40	U	57	U	39	U	26	U	12	U			NA
Bromoform	U	40	U	57	U	39	U	26	U	12	U			NA
4-Methyl-2-Pentanone	U	40	U	57	U	39	U	26	U	12	U			1,000
2-Hexanone	U	40	U	57	U	39	U	26	U	12	U			NA
Tetrachloroethene	U	40	U	57	U	39	U	26	U	**43**		NA	800 (1)	1,400
1,1,2,2-Tetrachloroethane	U	40	U	57	U	39	U	26	U	12	U			600
Toluene	U	**8**	**J**	57	U	27	J	26	U	12	U	49,000 (2)		1,500
Chlorobenzene	U	40	U	57	U	39	U	26	U	12	U			1,700
Ethylbenzene	U	40	U	57	U	39	U	26	U	12	U			5,500
Styrene	U	40	U	57	U	39	U	26	U	12	U			1,200
Xylene (total)	U	40	U	57	U	39	U	26	U	12	U			NA
TOTAL VOCS		**664**		**ND**		**127**		**86**		**52**				**10,000**
TOTAL TENTATIVELY IDENTIFIED CMPDS		**666**		**1429**		**1726**		**120**		**36**				

NA=Not Available
ND=None Detected

NA - Not available for benthic aquatic life for either acute or chronic toxi (1) Sediment Criteria for Human Health Bioaccumulation (2) Sediment Criteria for Benthic Aquatic Life Chronic Toxicity

Bolded concentrations are those compounds present above method detection limit. Bolded and underlined concentrations are those compounbds present in the upstream sediment sample; same is assumed to have originated from an off-site sou

FIGURES

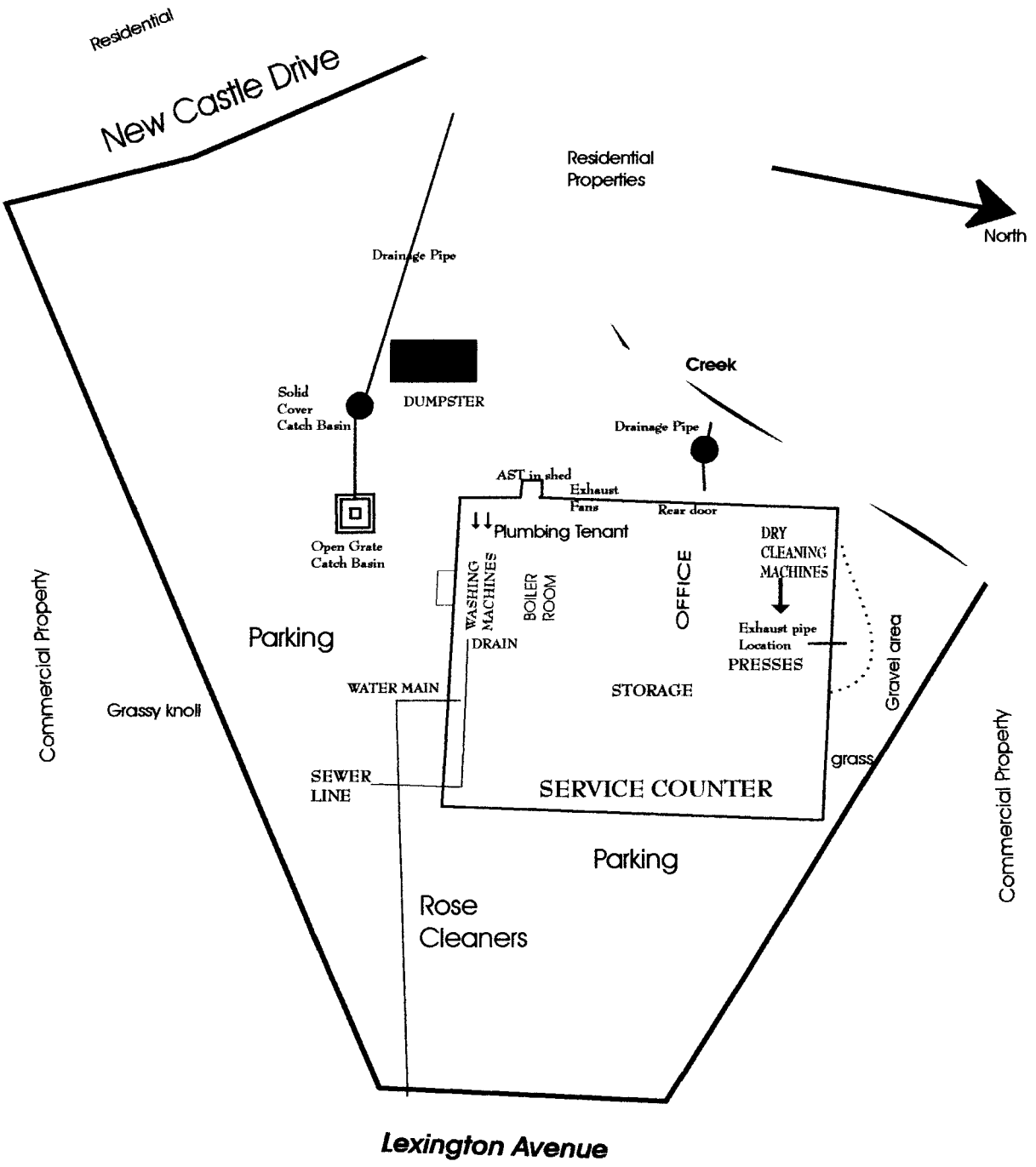
<Default> - 1 Markers, Length = 0 feet

Rose Cleaners - 041° 11' 25.3" N, 073° 43' 58.4" W

Name: MT KISCO
Date: 12/12/105
Scale: 1 inch equals 2000 feet

Location: 041° 11' 42.1" N 073° 43' 17.5" W
Caption: Rose Cleaners
500 Lexington Avenue
Mount Kisco, NY 10549

FIGURE 1



Based on plot plan

Approx. Scale 1" = 35 ft

FIGURE 2- Site Plan of Rose Cleaners with Details

Rose Cleaners
500 Lexington Avenue
Mt. Kisco, New York

Berninger Environmental, Inc.
90 Knickerbocker Avenue
Bohemia, New York 11716
(631) 589 - 6521

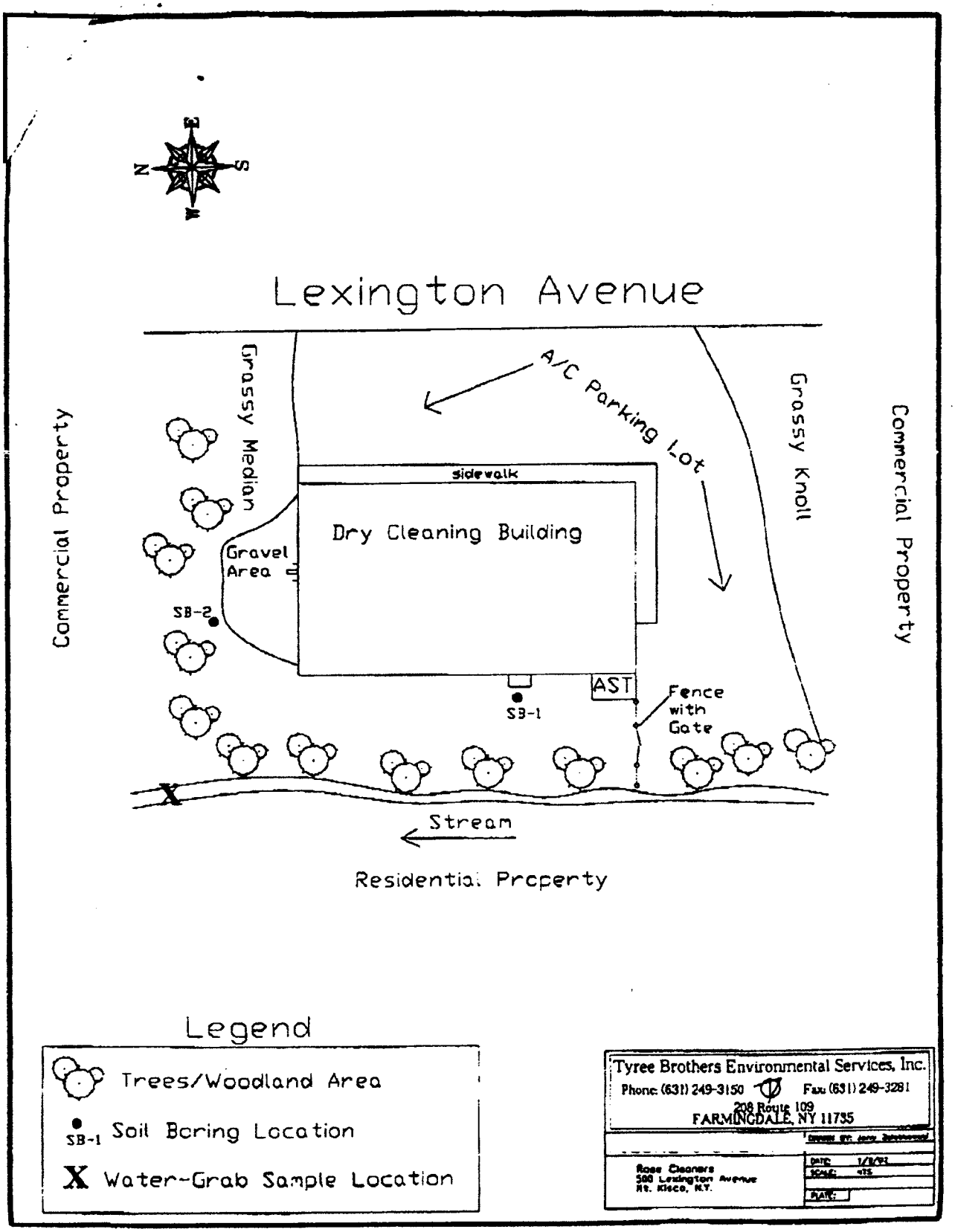


FIGURE 3 - Site Schematic From Previous Site Investigation	**Rose Cleaners 500 Lexington Avenue Mt. Kisco, New York**	Berninger Environmental, Inc. 90 Knickerbocker Avenue Bohemia, New York 11716 (631) 589 - 6521

MW-1 ⊗ Piezometer Location

Scale
0 41 Feet

Figure 4 - Location of Monitoring Wells/Piezometers	**Rose Cleaners 500 Lexington Avenue Mt. Kisco, New York**	Berninger Environmental, Inc. 90 Knickerbocker Avenue Bohemia, New York 11716 (631) 589 - 6521

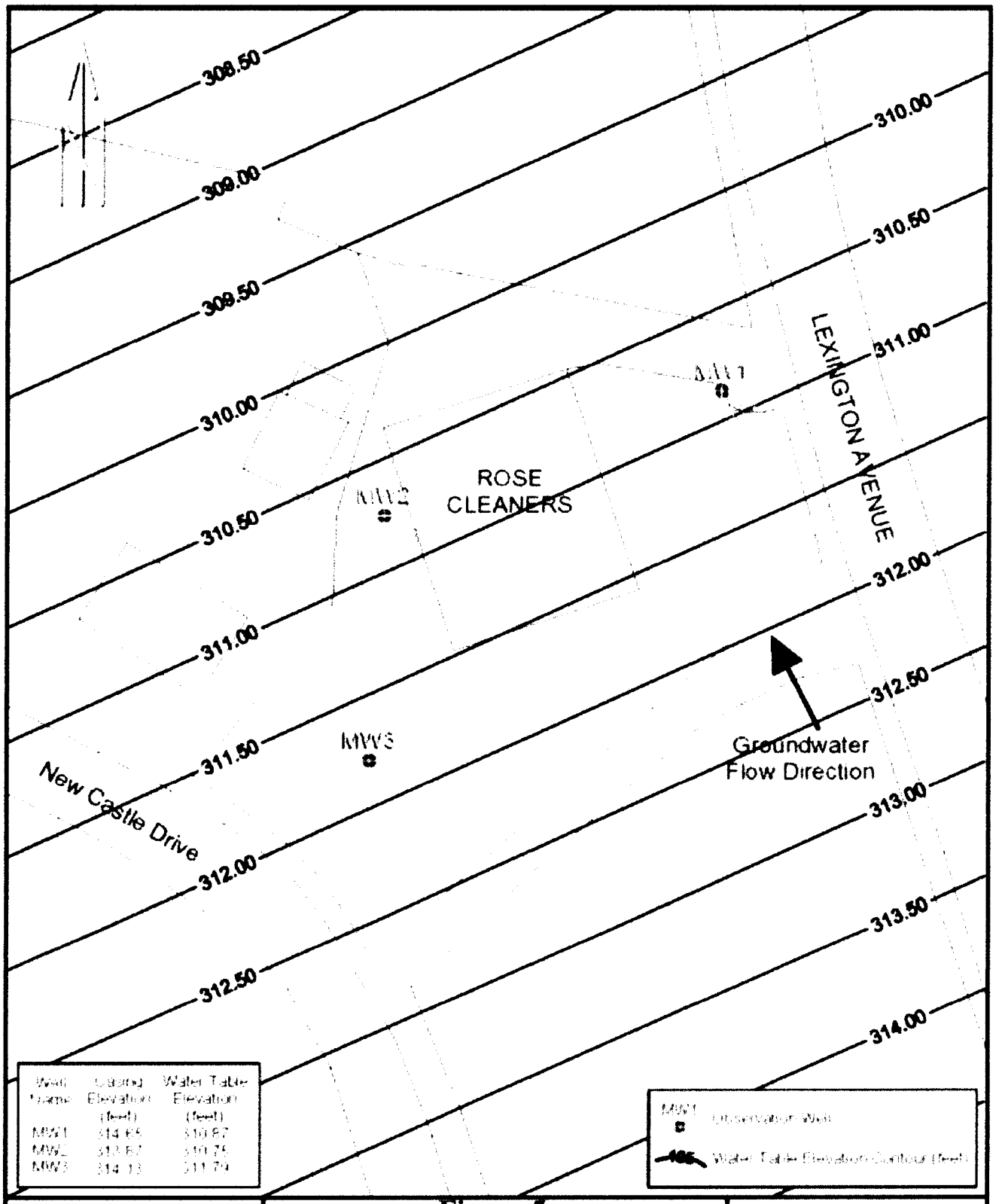


Figure 5
PLAN VIEW
Water Table Elevation Contour Map (feet)
October 24, 2005

Rose Cleaners
500 Lexington Avenue
Mount Kisco, NY

Figure 6a - Soil Gas Samping Locations	**Rose Cleaners** **500 Lexington Avenue** **Mt. Kisco, New York**	Berninger Environmental, Inc. 90 Knickerbocker Avenue Bohemia, New York 11716 (631) 589 - 6521

Sample	Depth[1]	PID[2]	PCE	TCE	1,2-DCE	VC
SG-1	2.0-2.5 ft	0	19.8	ND	ND	ND
SG-2	2.0-2.5 ft	4.3	**4168**	**2494**	**2200**	**387**
SG-3	2.0-2.5 ft	0.9	**2187**	**182**	**22.8**	ND
SG-4	2.0-2.5 ft	61.8	**136667**	**12270**	**33600**	ND
SG-5	2.0-2.5 ft	168+	**560333**	**12270**	**4000**	ND
SG-6	2.0-2.5 ft	0	**102500**	**950**	ND	ND
SG-7	2.0-2.5 ft	0	82	ND	ND	ND
SG-8	2.0-2.5 ft	0	**102.5**	ND	ND	ND
SG-9	2.0-2.5 ft	0	**184.5**	1.5	ND	ND

[1]feet below grade surface
[2]parts per million response units

Scale
0 41 Feet

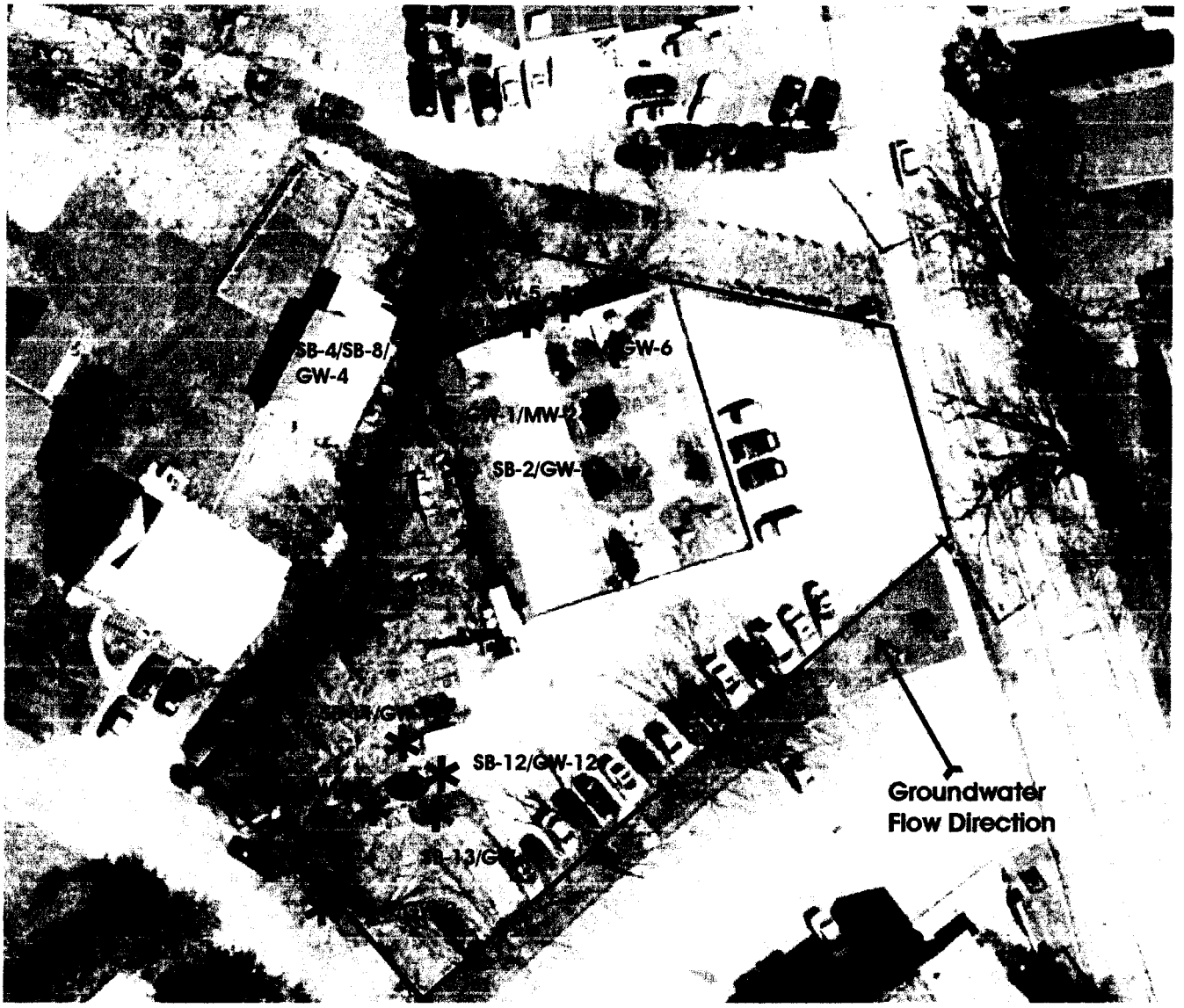
SG-3 ◆ Soil Gas Sampling Location

PCE - Tetrachloroethene; TCE - Trichloroethene; 1,2-DCE - Dichloroethene; VC- Vinyl Chloride;
Bold # = Exceedance of NYSDEC Potable Groundwater SGVs or Surface Water SGVs

Figure 6b - Soil Gas Samping Locations & Analytical Testing Results, ug/m^3

Rose Cleaners
500 Lexington Avenue
Mt. Kisco, New York

Berninger Environmental, Inc.
90 Knickerbocker Avenue
Bohemia, New York 11716
(631) 589 - 6521



SB-9/GW-9
* Soil & Groundwater Sampling Locations

Scale
0 41 Feet

Figure 7a -Soil and Groundwater Sampling Locations	**Rose Cleaners** **500 Lexington Avenue** **Mt. Kisco, New York**	Berninger Environmental, Inc. 90 Knickerbocker Avenue Bohemia, New York 11716 (631) 589 - 6521

Notes:

SB-9/GW-9
Soil & Groundwater Sampling Locations

Historic Dumpster Location

Areas of Soil Impacts Above NYSDEC RSCOs

Soil Boring#	Depth, bgs	PCE	TCE	1,2-DCE	VC	TVOCS
SB-1	3-4 ft	270	26	260	ND	628
SB-2	5-6 ft	110	11 J	170	ND	400
SB-3	4-5 ft	**34,000**	280	180	ND	34,460
SB-4	4-5 ft	**1,600,000**	**75,000**	**7,800 J**	ND	1,683,170
SB-5	3-4 ft	**51,000**	44 J	ND	ND	51,044
SB-6	3-4 ft	**15,000**	10 J	12 J	ND	15,022
SB-8	6"-8"	**4,300**	13	6 J	ND	4,319
SB-9	3-4 ft	ND	ND	ND	ND	ND
SB-10	3-4 ft	**15,000**	46	14	ND	15,060
SB-11	0.5 - 1 ft	ND	ND	ND	ND	ND
SB-12	3-4 ft	740	22	21	ND	783
SB-13	0-3 ft	ND	ND	ND	ND	ND

Scale
0 41 Feet

PCE - Tetrachloroethene; TCE - Trichloroethene; 1,2-DCE - Dichloroethene; VC- Vinyl Chloride;
VOCs - Total Volatile Organic Compounds. Bold # = Exceedance of NYSDEC RSCOs

Figure 7b -Soil Sampling Locations & Analytical Testing Results, *u*g/kg

Rose Cleaners
500 Lexington Avenue
Mt. Kisco, New York b

Berninger Environmental, Inc.
90 Knickerbocker Avenue
Bohemia, New York 11716
(631) 589 - 6521

Notes:

SB-9/GW-9

* Soil & Groundwater Sampling Locations

● Historic Dumpster Area

Scale

0 41 Feet

Figure 8 - Groundwater Sampling Locations & Analytical Testing Results *ug*/L	**Rose Cleaners** **500 Lexington Avenue** **Mt. Kisco, New York**	Berninger Environmental, Inc. 90 Knickerbocker Avenue Bohemia, New York 11716 (631) 589 - 6521

Notes:

SB-9/GW-9 ■ Soil & Groundwater Sampling Locations

Historic Dumpster Location

Areas of Highest Groundwater Impacts

Groundwater Sample	Depth, bgs	PCE	TCE	1,2-DCE	VC	TVOCs
GW-1	4-6 ft	14 J	ND	13,000	6,900	19,936
	14-16 ft	14,000	ND	110	42	14,152
	24-26 ft	2,300	ND	45	16 J	2,361
GW-2	5-7 ft	1,200	230	2,800	85	4,315
	15-17 ft	140	8	14	ND	162
	25-27 ft	220	8	32	ND	268
GW-3	5-7 ft	1,500	560	3,500	80 J	5,640
	15-17 ft	150	20	55	ND	225
GW-4	5-7 ft	55,000	10,000	11,000	400	76,400
	15-17 ft	57,000	590	480	ND	58,070
	25-27 ft	12,000	430	440	ND	12,870
GW-5	5-7 ft	240,000	ND	ND	ND	240,000
	15-17 ft	300,000	2,200	1,100 J	ND	303,300
	25-27 ft	300,000	1,800	660 J	ND	302,460
GW-6	5-7 ft	34,000	860	360	6 J	35,226
	15-17 ft	2,500	50 J	22 J	ND	2,572
	25-27 ft	1,400	48 J	34 J	ND	1,482

Groundwater Sample	Depth, bgs	PCE	TCE	1,2-DCE	VC
GW-7	5-7 ft	1,200	32 J	81 J	ND
	15-17 ft	150,000	480	360	26
	25-27 ft	140,000	420	160	8J
GW-9	5-7 ft	2 J	ND	ND	ND
	15-17 ft	2 J	ND	ND	ND
GW-10	5-7 ft	380	47 J	15	ND
	15-17 ft	120	17 J	7	ND
GW-11	5-7 ft	26	4 J	2 J	ND
	15-17 ft	17	ND	3 J	ND
GW-12	5-7 ft	5,800	1200 J	220	ND
	15-17 ft	5,400	910 J	120	ND
GW-13	5-7 ft	3,500	640 J	210	ND
	15-17 ft	1,900	560 J	330	ND

PCE - Tetrachloroethene; TCE - Trichloroethene; 1,2-DCE - Dichloroethene; VC- Vinyl Chloride;
VOCs - Total Volatile Organic Compounds. Bold # = Exceedance of NYSDEC Potable Groundwater SGVs or Surface Water SGVs

Scale
0 41 Feet

Figure 8a -Groundwater Analytical Testing Results for 5-7 feet bgs (*u*g/L)

Rose Cleaners
500 Lexington Avenue
Mt. Kisco, New York

Berninger Environmental, Inc.
90 Knickerbocker Avenue
Bohemia, New York 11716
(631) 589 - 6521

Notes:

SB-9/GW-9

Soil & Groundwater Sampling Locations

Historic Dumpster Location

Areas of Highest Groundwater Impacts

Groundwater Sample	Depth, bgs	PCE	TCE	1,2-DCE	VC	TVOCS
GW-1	4-6 ft	14 J	ND	13,000	6,900	19,936
	14-16 ft	14,000	ND	110	42	14,152
	24-26 ft	2,300	ND	45	16 J	2,361
GW-2	5-7 ft	1,200	230	2,800	85	4,315
	15-17 ft	140	8	14	ND	162
	25-27 ft	220	8	32	ND	268
GW-3	5-7 ft	1,500	560	3,500	80 J	5,640
	15-17 ft	150	20	55	ND	225
GW-4	5-7 ft	55,000	10,000	11,000	400	76,400
	15-17 ft	57,000	590	480	ND	58,070
	25-27 ft	12,000	430	440	ND	12,870
GW-5	5-7 ft	240,000	ND	ND	ND	240,000
	15-17 ft	300,000	2,200	1,100 J	ND	303,300
	25-27 ft	300,000	1,800	660 J	ND	302,460
GW-6	5-7 ft	34,000	860	360	6 J	35,226
	15-17 ft	2,500	50 J	22 J	ND	2,572
	25-27 ft	1,400	48 J	34 J	ND	1,482

Groundwater Sample	Depth, bgs	PCE	TCE	1,2-DCE	VC
GW-7	5-7 ft	1,200	32 J	81 J	ND
	15-17 ft	150,000	480	360	26
	25-27 ft	140,000	420	160	8J
GW-9	5-7 ft	2 J	ND	ND	ND
	15-17 ft	2 J	ND	ND	ND
GW-10	5-7 ft	380	47 J	15	ND
	15-17 ft	120	17 J	7	ND
GW-11	5-7 ft	26	4 J	2 J	ND
	15-17 ft	17	ND	3 J	ND
GW-12	5-7 ft	5,800	1200 J	220	ND
	15-17 ft	5,400	910 J	120	ND
GW-13	5-7 ft	3,600	640 J	210	ND
	15-17 ft	1,900	560 J	330	ND

PCE - Tetrachloroethene; TCE - Trichloroethene; 1,2-DCE - Dichloroethene; VC- Vinyl Chloride;
VOCs - Total Volatile Organic Compounds. Bold # = Exceedance of NYSDEC Potable Groundwater SGVs or Surface Water SGVs

Scale
0 41 Feet

Figure 8b -Groundwater Analytical Testing Results for 15-17 feet bgs (*ug*/L)

Rose Cleaners
500 Lexington Avenue
Mt. Kisco, New York

Berninger Environmental, Inc.
90 Knickerbocker Avenue
Bohemia, New York 11716
(631) 589 - 6521

Groundwater Sample	Depth, bgs	PCE	TCE	1,2-DCE	VC	TVOCS
GW-1	4-6 ft	14 J	ND	13,000	6,900	19,936
	14-16 ft	14,000	ND	110	42	14,152
	24-26 ft	2,300	ND	45	16 J	2,361
GW-2	5-7 ft	1,200	230	2,800	85	4,315
	15-17 ft	140	8	14	ND	162
	25-27 ft	220	8	32	ND	268
GW-3	5-7 ft	1,500	560	3,500	80 J	5,640
	15-17 ft	150	20	55	ND	225
GW-4	5-7 ft	55,000	10,000	11,000	400	76,400
	15-17 ft	57,000	590	480	ND	58,070
	25-27 ft	12,000	430	440	ND	12,870
GW-5	5-7 ft	240,000	ND	ND	ND	240,000
	15-17 ft	300,000	2,200	1,100 J	ND	303,300
	25-27 ft	300,000	1,800	660 J	ND	302,460
GW-6	5-7 ft	34,000	860	360	6 J	35,226
	15-17 ft	2,500	50 J	22 J	ND	2,572
	25-27 ft	1,400	48 J	34 J	ND	1,482

Groundwater Sample	Depth, bgs	PCE	TCE	1,2-DCE	VC
GW-7	5-7 ft	1,200	32 J	81 J	ND
	15-17 ft	150,000	480	360	26
	25-27 ft	140,000	420	160	8J

Notes:

SB-9/GW-9 ■

■ Soil & Groundwater Sampling Locations

Historic Dumpster Location

Areas of Highest Groundwater Impacts

PCE - Tetrachloroethene; TCE - Trichloroethene; 1,2-DCE - Dichloroethene; VC- Vinyl Chloride;

VOCs - Total Volatile Organic Compounds. Bold # = Exceedance of NYSDEC Potable Groundwater SGVs or Surface Water SGVs

Scale

0 41 Feet

Figure 8c -Groundwater Analytical Testing Results for 25-27 feet bgs (*u*g/L)

Rose Cleaners
500 Lexington Avenue
Mt. Kisco, New York

Berninger Environmental, Inc.
90 Knickerbocker Avenue
Bohemia, New York 11716
(631) 589 - 6521

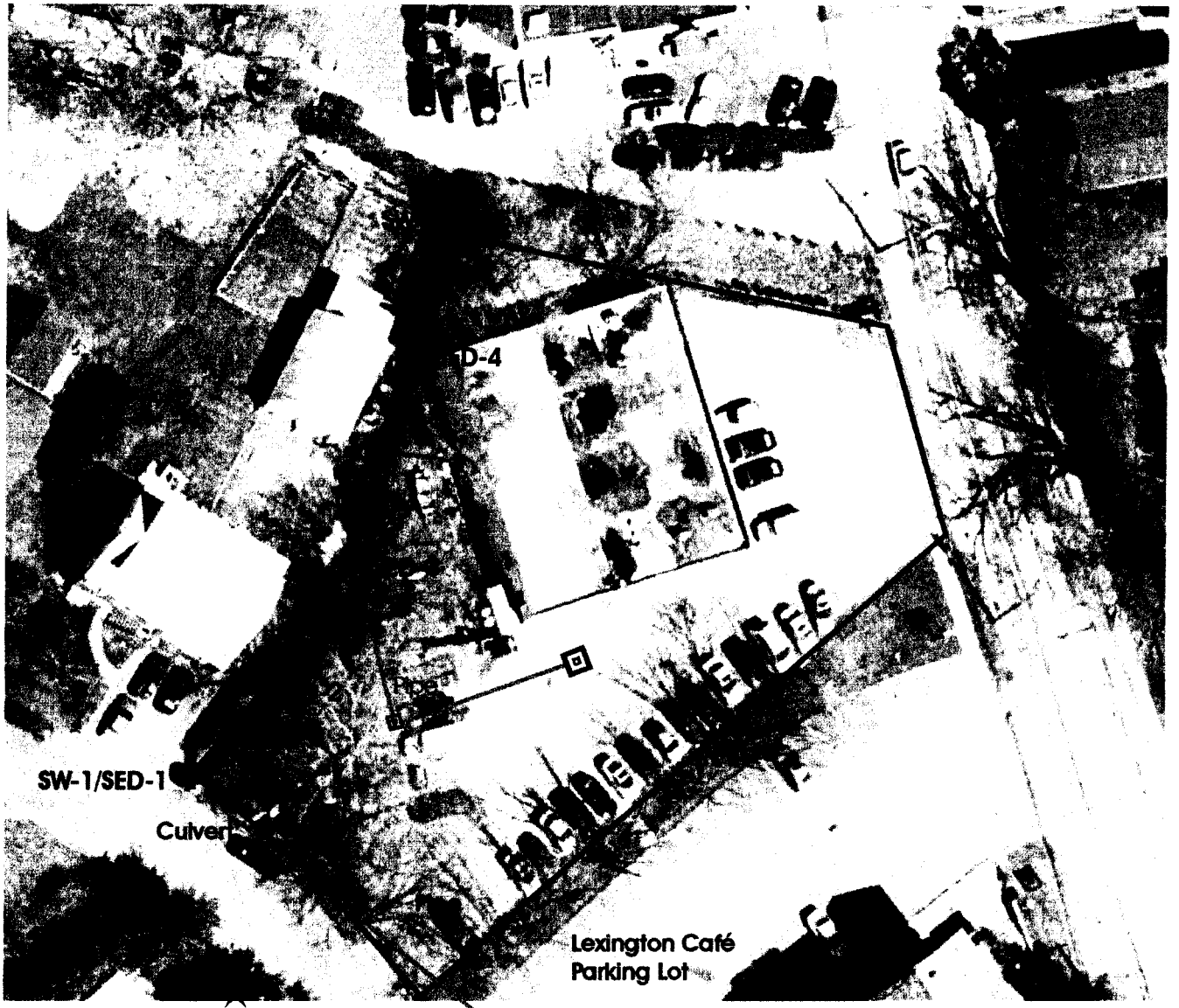


Figure 9a -Surface Water & Sediment Sampling Locations	**Rose Cleaners** **500 Lexington Avenue** **Mt. Kisco, New York**	Berninger Environmental, Inc. 90 Knickerbocker Avenue Bohemia, New York 11716 (631) 589 - 6521

SW-1/SED-1 + Surface Water /Sediment Sampling Location

SED-2 ★ Sediment Sampling Location Only

Surface Water	Depth, bgs	PCE	TCE	1,2-DCE	VC
SW-1	0-1 ft	ND	ND	ND	ND
SW-2	0.5-1 ft	11	2 J	4 J	ND
Culvert		ND	ND	ND	ND

Sample#	Depth, bgs	PCE	TCE	1,2-DCE	VC	TVOCS
SED-1	0-6"	ND	ND	ND	ND	664
SED-2	0-6"	ND	ND	ND	ND	ND
SED-3	0-6"	ND	ND	ND	ND	127
SED-4	0-6"	ND	**5J**	**81**	ND	86
SED-5	0-6"	**43**	**5J**	**4J**	ND	52

Scale
0 41 Feet

PCE - Tetrachloroethene; TCE - Trichloroethene; 1,2-DCE - Dichloroethene; VC- Vinyl Chloride;
VOCs - Total Volatile Organic Compounds. Bold # = Exceedance of NYSDEC Potable Groundwater SGVs or Surface Water SGVs

Figure 9b -Surface Water & Sediment Sampling Locations & Analytical Testing Results

Rose Cleaners
500 Lexington Avenue
Mt. Kisco, New York

Berninger Environmental, Inc.
90 Knickerbocker Avenue
Bohemia, New York 11716
(631) 589 - 6521

APPENDICES

APPENDIX A

Photographic Log

Figure 1 - Front of Rose Cleaners located along Lexington Avenue in Mt. Kisco, New York.

Figure 2 - Installation of soil gas sampling probes at perimeter of the property.

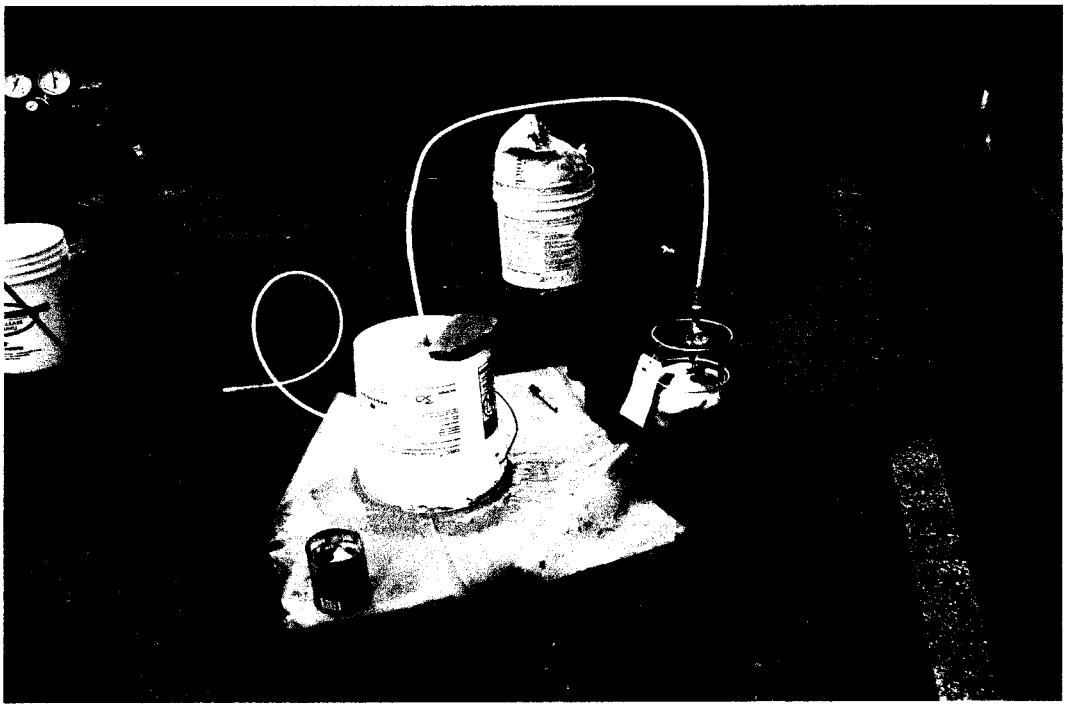


Figure 3 - Collection of soil gas samples via summa canisters while introducing helium.

Figure 4 - Collection of soil gas samples via summa canisters around historic dumpster location.

Figure 5 - Collection of soil gas samples via summa canisters proximate to former PERC tank location, near property perimeter.

Figure 6 - Collection of soil gas samples via summa canisters at northeastern property perimeter, along Lexington Avenue.

Figure 7 - Soil borings being installed via Geoprobe at the northern portion of the study site, near location of former soil sampling.

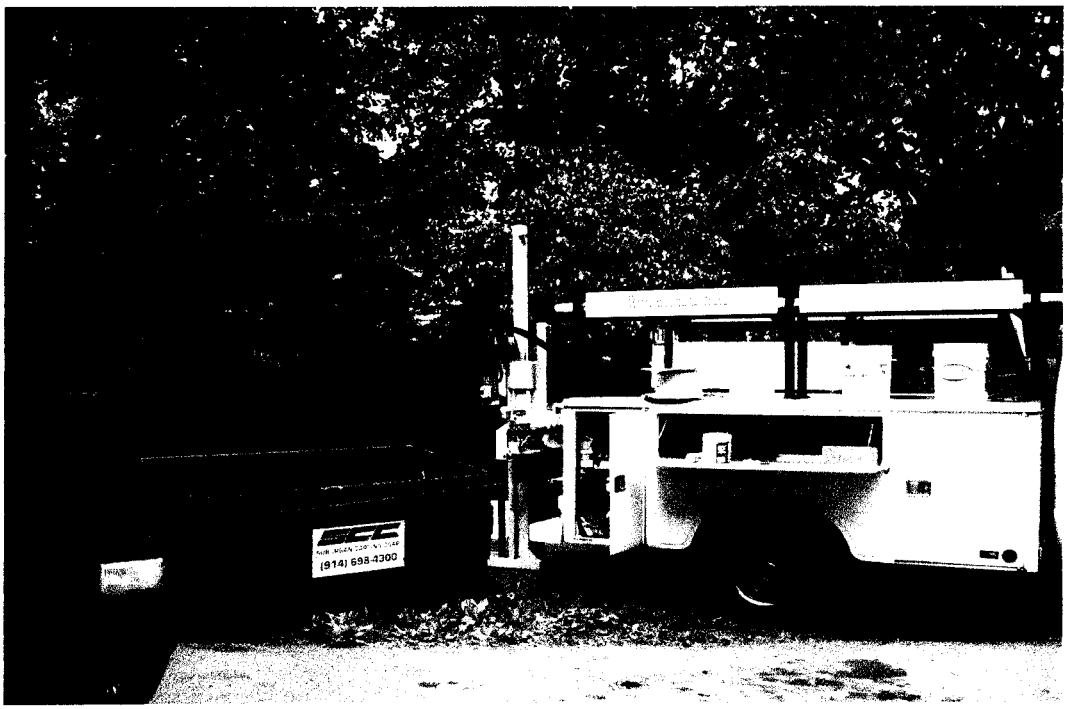


Figure 8 - Installation of soil borings exterior to and within the historic dumpster area.

Figure 9 - Sampling of surface water and sediment at the upstream boundary of the adjoining creek.

Figure 10 - Sampling of creek sediment via a decontaminated stainless steel sludge sampler.

Figure 11 - Evaluation of the on-site catch basins and drainage systems.

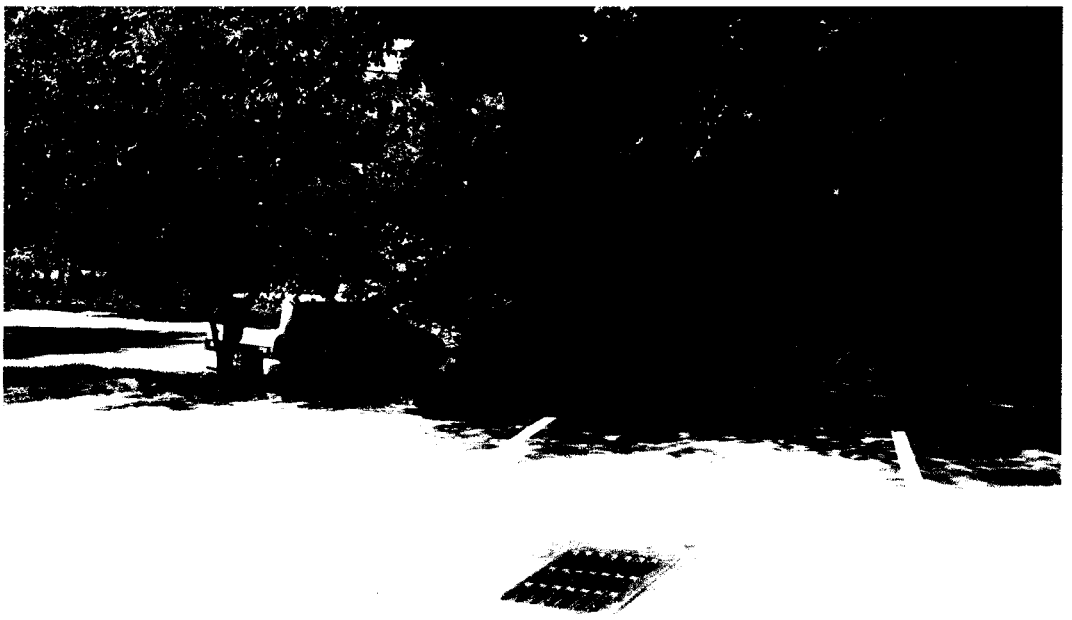


Figure 12 – Parking lot drain at the Lexington Avenue Café that feeds into the surface water culvert, prior to Rose Cleaners.

Figure 13 – Parking lot drain at the Lexington Avenue Café that feeds into the surface water culvert, prior to Rose Cleaners.

APPENDIX B

Village of Mt. Kisco Municipal Water Supply Records

Account	Parcel	Customer Name	Location	Stat
111500	80.33-5-14	GUTMAN, SUSAN	237 MAIN ST	ACTI
111600	80.33-5-1	CAMBARERI, JOSEPHINE	235 MAIN ST STORE	ACTI
134600	69.73-2-15	CARTY REALTY	19 MAIN ST DRUG STORE	ACTI
135200	69.80-4-4	HENRY, MAURICE	40 MAIN ST	ACTI
135300	69.80-4-3	FEDERICO, VINCENT	48 MAIN ST	ACTI
135400	69.80-4-2	CAMBARERI, CARMELO	52 MAIN ST	ACTI
135500	69.80-4-1	TESTA, ANTOINETTE	60 MAIN ST	ACTI
137600	69.80-3-3.1	TORTORELLO, FRANCIS M	70 MAIN STREET	ACTI
137700	69.80-3-2	DAVIS-LORTON, BERNADETTE	86 MAIN ST	ACTI
137800	69.80-3-1	PABOOJIAN, SUSAN	100 W MAIN ST	ACTI
140200	69.80-2-19	TORTORELLO, FRANCIS & BAR	122 MAIN STREET	ACTI
140300	69.80-2-20	MANGO, JOSEPH & EMRO, MAR	130 MAIN ST	ACTI
140400	69.80-1-1	POWELL, DARIUS	150 MAIN ST	ACTI
145600	69.79-5-3	BARKER, DAVID C	194 MAIN ST	ACTI
145700	69.79-5-1	JANG, SUK YEUL	202 MAIN ST	ACTI
150900		GRETO, JOSEPH & LINDA	216 MAIN ST	ACTI
215400	69.71-1-8.1	237 WEST MAIN STREET CORP	237 MAIN STREET	ACTI
215425	69.71-1-8.1	235 WEST MAIN STREET CORP	235 MAIN STREET	ACTI
224400	80.72-1-7	FOUNTAIN OF ETERNAL LIFE	720 MAIN ST	ACTI
224700		EDWIN H SCHREINER	785 MAIN ST	ACTI
227000		WARC PROPERTIES INC	699 MAIN ST	ACTI
227100	80.72-4-1	PET CONNECTION	681 MAIN STREET (PET STORE)	ACTI
227200	80.72-4-1	PET CONNECTION	681 MAIN STREET (PET STORE)	ACTI
227600		HUDSON VALLEY	666 MAIN ST	ACTI
236600		E & I LLC	7 MAIN ST	ACTI
236700	69.73-2-18	ELON TILE	11 E MAIN ST	ACTI
236800	69.73-2-17	TSOCANOS, ANTHONY N	15 W MAIN ST	ACTI
237000	69.73-2-16	TSOCANOS, ANTHONY	17 MAIN STREET	ACTI
237100		17 MAIN STREET RESTAURANT	17 MAIN STREET	ACTI
237300	69.81-2-5	REYEM CO. LLC	25 MAIN ST	ACTI
237400	69.81-2-4	RESNICK, ALLEN	31 -41 MAIN STREET	ACTI
237500		VERIZON	45 MAIN ST	ACTI
237800		ST MARKS CHURCH	45 MAIN ST MAIN ST CHURCH	ACTI
237900	ANTIQUE STORE	LOVE KISCO JUNCTION	91 MAIN ST	ACTI
238200		GOLDBAUM, MARTIN & SALLY	115 MAIN ST	ACTI
238600	80.25-3-32.1	KOSHAR, ALICE	139 MAIN ST	ACTI
238700	80.25-3-32.1	KOSHAR, ALICE	139 MAIN STREET	ACTI
238900	80.25-3-32	PARKFIELD PROPERTIES	141 MAIN STREET	ACTI
239000	80.25-3-31	GONZALES, THERESA	145 -147 MAIN ST	ACTI
239100	80.25-3-30	ON THE ONE RETAIL STORE	153 MAIN STREET	ACTI
239200		BRAUN, LOUIS	159 MAIN ST	ACTI
239300	80.25-3-28	MAIN STREET PRIME	161 MAIN ST APTS	ACTI
239400	80.25-3-28	MAIN STREET PRIME	161 163 MAIN STREET STORE	ACTI
239500	80.25-3-27	DATALINK COMPUTER	167 MAIN ST	ACTI
239550	80.25-3-26	RAMIC DEVELOPMENT	175 MAIN STREET	ACTI
239600		JOHN FRANCAN	179 MAIN ST	ACTI
239700	80.25-3-25	CAMBARERI, PAT	183 MAIN ST	ACTI
240600	80.33-2-1	MARTABANO, KENNETH	193 MAIN ST	ACTI
241400	80.33-4-6	CERBONE, JOSEPH J	217 MAIN ST	ACTI
241500	80.33-4-5	CERBONE, JOSEPH J	219 MAIN ST LUNCHETTE	ACTI
241550		JOSEPH CERBONE	219 MAIN ST PHARMACY	ACTI
241600	80.33-4-4	HAWLEY, LOUISE	221 MAIN ST	ACTI
241900	80.33-1-15	DEFONCE, BRUCE	236 MAIN ST	ACTI
242000	80.33-1-14	O'BOYLE, JOSEPH & FRANCIS	226 MAIN ST APTS	ACTI

VILLAGE OF MOUNT KISCO
Account Master Maintenance

Account	Parcel	Customer Name	Location	Stat
242050	80.33-1-14	O'BOYLE, JOSEPH & FRANCIS	226 MAIN STREET RUG STORE	ACTI
242110	80.33-1-13	PACIFIC CHINESE RESTAURAN	222 MAIN ST PACIFIC REST	ACTI
242120	80.33-1-13	CASA MIGUEL RESTAURANT	222 MAIN ST CASA MIGUEL	ACTI
242300		COOLIDGE - MT KISCO	198 MAIN ST CLEANERS	ACTI
242400	80.33-1-10	DIMOPOULOS, JAMES	192 MAIN ST	ACTI
244300		MT KISCO ASSOC LP	162 MAIN ST	ACTI
244400		MRE MANAGEMENT CORP	144 MAIN ST THEATRE	ACTI
244500	80.25-2-5	CAWLEY, RICHARD	136 MAIN STREET	ACTI
244600	80.25-2-4	YOZZO, JOSEPH	132 MAIN ST RESTAURNT	ACTI
244700	80.25-2-3	FORFAM EQUITIES CORP	128 MAIN ST STORE	ACTI
245100	69.73-2-13	HSBC BANK	44 -54 MAIN ST BANK	ACTI
245400		EK MOUNT KISCO LLC	36 MAIN STREET	ACTI
245500		L & M FRIEDLAND	36 MAIN STREET MAIN ST	ACTI
245600		L & M FRIEDLAND	36 MAIN STREET MAIN ST MAIN ST FITZGERALD'S B	ACTI
245800		L & M FRIEDLAND	36 MAIN STREET MAIN ST MAIN ST FITZGERALD'S B	ACTI
245900		L & M FRIEDLAND	36 MAIN STREET MAIN ST MAIN ST FITZGERALD'S B	ACTI
246000		L & M FRIEDLAND	36 MAIN STREET MAIN ST MAIN ST FITZGERALD'S B	ACTI
246600		CHASE MANHATTAN BANK	16 MAIN ST	ACTI
254450	80.72-1-8	NUZZI, ALESSIO & L	744 MAIN ST	ACTI
254500	80.72-1-9	BRIGGS, RALPH	750 MAIN ST	ACTI
254700		OBRIEN, JOAN F	762 MAIN ST	ACTI
260100	80.79-1-8	LUMPER, LEONID	804 MAIN ST	ACTI
260200	80.79-1-7	DULWORTH, SHERRIE	800 MAIN ST	ACTI
260300	80.79-1-6	SWANKO, WILLIAM	792 MAIN ST	ACTI
294500	80.72-4-17	THORN, ROSALIE	725 MAIN STREET	ACTI

** END OF REPORT **

VILLAGE OF MOUNT KISCO
Account Master Maintenance

Account	Parcel	Customer Name	Location	Stat
100100	80.33-6-8	VALVOLINE INSTANT OIL CHA	242 MAIN ST	ACTI
100200	80.33-6-9	HONI REAL ESTATE	256 MAIN ST DINER	ACTI
100250	80.33-6-5	TEFKROS REALTY COMPANY, L	252 MAIN ST	ACTI
100400	80.33-6-11	OELKER & COX FUNERAL HOME	262 MAIN ST	ACTI
100500		GETTY PETROLEUM MARKETING	280 MAIN ST GAS STATION	ACTI
100700	80.41-1-11	UNITED METHODIST	300 MAIN ST CHURCH	ACTI
100900	80.41-3-10	REILLY, PATRICIA	322 MAIN ST	ACTI
101000	80.41-3-11	ROCKPORT EQUITIES	332 MAIN ST	ACTI
101100	80.41-3-12	TRIMAR EQUITIES	344 MAIN ST	ACTI
101500		NO WESTCHESTER HOSP	344 MAIN ST MAIN ST NEW EXTENSION	ACTI
101600	80.49-3-14	NORTHERN WESTCHESTER HOSP	400 MAIN STREET LAUNDRY ROOM	ACTI
101800	80.57-2-7	NORMAN TUNNELL, MANAGING	444 MAIN ST	ACTI
101900		T SQUARE PROPERTIES	454 MAIN ST LAUNDRY MAT	ACTI
101910	80.57-2-6	NEW GREAT WALL	454 MAIN STREET	ACTI
101920		T SQUARE PROPERTIES	454 MAIN STREET MAIN ST PHARMACY	ACTI
101930		T SQUARE PROPERTIES	454 MAIN STREET MAIN ST PHARMACY MAIN ST LIQU	ACTI
101940		T SQUARE PROPERTIES	454 MAIN STREET MAIN ST PHARMACY MAIN ST LIQU	ACTI
101960	80.49-3-14	NORTHERN WESTCHESTER HOSP	400 E MAIN STREET	ACTI
101980	80.57-2-6	GERARDO'S RESTAURANT	454 E MAIN STREET	ACTI
101990	80.57-2-6	GERARDO'S RESTAURANT	454 E MAIN STREET	ACTI
101999		T SQUARE PROPERTIES	454 E MAIN STREET MAIN ST BAKERY	ACTI
102200	80.57-2-11	FRIEDLAND, LAWRENCE	500 MAIN ST	ACTI
102300	80.57-4-4	HEFFEMAN, PATRICK P & BAR	540 MAIN ST GAS STATION	ACTI
102400	80.57-4-5	NICHOLAS, CHRYSTINE B	538 MAIN STREET	ACTI
102500		ALFONZETTI, ROCCO	538 MAIN STREET MAIN ST DELI STORE	ACTI
102550	80.57-4-6.1	ALFONZETTI, ROCCO	556 MAIN ST LAUNDRY	ACTI
102600	80.57-4-5	VOLK'S AUTO REPAIR	542 MAIN ST VOLKS AUTO REPAIR	ACTI
102700	80.72-3-1	CROSSROADS PLAZA INC	637 MAIN ST	ACTI
102800		COHEN, EDWARD	639 MAIN STREET	ACTI
107900	80.57-3-5	RAPPA, JOHN	513 MAIN ST	ACTI
108200	80.57-3-2	COOLIDGE - MT KISCO EQUIT	487 E MAIN ST	ACTI
108300		FRIENDLY RESTAURANTS #231	445 MAIN ST	ACTI
108500		AODREDES, DEAN & SHELLEY	437 MAIN ST	ACTI
110000	80.80-1-1	SYLFLOR REALTY CORP	359 MAIN STREET	ACTI
110100	80.41-2-10	COUNTY OF WESTCHESTER	351 MAIN ST BOYS/GIRLS CLUB	ACTI
110200	80.41-2-11	CAMBARERI, DIEGO	337 MAIN ST	ACTI
110300	80.41-2-12	COSTA, ANGELA	331 MAIN ST	ACTI
110400	80.41-2-13	FRAIOLI, CARLO	321 MAIN ST	ACTI
110600	80.41-2-15	FRUITHANDLER, LILLIAN	303 MAIN ST	ACTI
110700	80.41-2-16	CARROZZA, JEAN	301 MAIN ST 2190	ACTI
110900	80.41-2-18	HIRSCH, DR EUGENE	291 MAIN ST	ACTI
111000	80.41-2-19	KG&D ARCHITECTS	285 MAIN ST	ACTI
111051	80.41-2-10	COUNTY OF WESTCHESTER	351 MAIN ST BOYS/GIRLS CLUB	ACTI
111100	80.41-2-1	TRINACRIA PLAZA INC	275 MAIN ST	ACTI
111150		M & T BANK	251 MAIN STREET	ACTI
111200		CHASE CLEANERS	251 MAIN STREET	ACTI
111205		TWO GOOD COOKS	251 MAIN STREET	ACTI
111206		251 MAIN STREET KISCO COR	251 MAIN STREET	ACTI
111207		251 MAIN STREET KISCO COR	251 MAIN STREET	ACTI
111208		BELLE VISAGE NAIL SPA	251 E MAIN STREET	ACTI
111209		RESTAURANT LUNA	251 MAIN STREET	ACTI
111250		CENTURY 21	251 MAIN STREET	ACTI
111300	80.33-5-12	COUNTRY EDITION	241 MAIN ST	ACTI
111400	80.33-5-13	GUTMAN, SUSAN	239 MAIN ST	ACTI

Account	Parcel	Customer Name	Location	Stat
216800		MARCHIANO, HARRY	36 LEXINGTON AVE	ACTI
216900		MARCHIANO, HARRY	44 LEXINGTON AVE	ACTI
217300	80.24-3-8	BRENNAN, JACK	68 LEXINGTON AVE	ACTI
217400		BRENNAN, JACK	78 LEXINGTON AVE	ACTI
217500	80.24-3-10	FRASCINO, DOMINICK	86 LEXINGTON AVE	ACTI
217600	80.24-3-11	BELTRAN REPAIR & MAINTENA	88 LEXINGTON AVE	ACTI
217700	80.24-3-12	FINKELSTEIN, ELLIOT	96 LEXINGTON AVE	ACTI
217900	80.40-1-1	ST FRANCIS CHURCH	96 LEXINGTON AVE LEXINGTON AVE	ACTI
218000		OAKWOOD CEMETERY INC	304 LEXINGTON AVE	ACTI
218100		OAKWOOD CEMETERY INC	304 LEXINGTON AVE	ACTI
218150	80.48-1-5	VILLAGE OF MT KISCO	322 LEXINGTON AVE FIRE HOUSE	ACTI
218200	80.48-1-6	LEXINGTON AVENUE GYM	326 LEXINGTON AVE	ACTI
218300		J & J REALTY	328 LEXINGTON AVE	ACTI
218400	80.48-1-9	ROSSI, JOSEPH & JANET	330 LEXINGTON AVE	ACTI
218500		ROSSI, JOSEPH & JANET	330 LEXINGTON AVE	ACTI
218600		PEDIFIX INC.	342 LEXINGTON AVE	ACTI
218700	80.48-5-2	GINER, SEBASTIAN	350 LEXINGTON AVE HAMMOND	ACTI
218800	80.48-5-4	LOPEZ, JEFFREY	354 LEXINGTON AVE	ACTI
218900	80.48-5-5	CAMBARERI, FORTNATO	356 LEXINGTON AVE	ACTI
220400	80.56-2-6	CAMBARERI, CARMELO	370 LEXINGTON AVE	ACTI
221000	80.56-6-1	KLOTZ. YVONNE	402 LEXINGTON AVE	ACTI
221050	80.56-5-2	BUETI, ANTONINO	408 LEXINGTON AVE	ACTI
222300		1261 BALDWIN RD REALTY	466 LEXINGTON AVE	ACTI
222400		RALGIGH, KIMBERLY DR.	474 LEXINGTON AVE	ACTI
222700	80.64-1-9	DILISIO SR, LOUIS	486 LEXINGTON AVENUE	ACTI
222725	?	DILISIO, LOUIS	486 LEXINGTON AVE	ACTI
223300		LR B CLEANERS INC	500 LEXINGTON AVE	ACTI
223400	80.64-1.15	BLUEPOINT REALTY	504 -512 LEXINGTON AVE	ACTI
223500	80.72-2-1	520 LEXINGTON AVE INC	520 LEXINGTON AVE	ACTI
223550		HK LAUNDRY EQUIPMENT INC	520 LEXINGTON AVE	ACTI
227300		LEXINGTON AVENUE SPRINKLE	666 LEXINGTON AVENUE	ACTI
227400		LEXINGTON AVENUE MAIN BUI	666 LEXINGTON AVENUE	ACTI
227501		LEXINGTON AVENUE PINCH PE	666 LEXINGTON AVENUE	ACTI
227502		WEINBERG, JERRY MD	666 LEXINGTON AVENUE	ACTI
227504		MRS GREENS	666 LEXINGTON AVE MRS GREENS	ACTI
227700	80.64-2-8	BUETI, ROCCO	499 LEXINGTON AVE	ACTI
227800	80.64-2-9	LUPPINO, ANGELO	497 LEXINGTON AVE	ACTI
227900		B & B OF MT KISCO INC	503 LEXINGTON AVE	ACTI
228000		PETERSVILLE LAND CO	491 LEXINGTON AVE	ACTI
228100		KURITZKY, FRANCES	487 LEXINGTON AVE	ACTI
228200		LOMBARDO, JOSEPH	473 LEXINGTON AVE MARDINO'S	ACTI
228300		REILLY, PATRICIA	481 LEXINGTON AVE	ACTI
228400	80.64-2-15	VARCO, CHARLES	457 LEXINGTON AVE	ACTI
228500		LA TULIPE DESSERTS	455 LEXINGTON AVE	ACTI
228600	80.56-5-10	TERLIZZI, PALMA & ADELE	453 LEXINGTON AVE	ACTI
228700		TWIGS THRIFTREE INC	449 LEXINGTON AVE	ACTI
228750	80.56-5-8	THUESEN MECHANICAL	443 LEXINGTON AVE	ACTI
228900	80.56-5-6	CAMBARERI, ANTONIO	433 LEXINGTON AVE HOUSE	ACTI
229000	80.56-5-7	CAMBARERI, ANTONIO	433 LEXINGTON AVE SHOP	ACTI
229100		CAMBARERI, ANTONIO	425 LEXINGTON AVE	ACTI
229200		CAMBARERI, ANTONIO	423 LEXINGTON AVE	ACTI
229300	80.56-5-5	CAMBERERI, ANTONIO	427 LEXINGTON AVE	ACTI
229400	80.56-5-4	MC GRATH, MARTIN	417 LEXINGTON AVE	ACTI
229500		DEMICCO, CHARLES	411 LEXINGTON AVE	ACTI

Account	Parcel	Customer Name	Location	Stat
229600		WRAY, ROBERT	415 LEXINGTON AVE	ACTI
229700		C-S OF LEXINGTON AVE	403 LEXINGTON AVE	ACTI
229800	80.48-4-16	MT KISCO SUPPLY CO INC	379 LEXINGTON AVE	ACTI
229900		MT KISCO	369 LEXINGTON AVE	ACTI
230100		CONTE, LUCA & BIAGGIO, J	363 LEXINGTON AVE GARAGE	ACTI
230200		CONTE, LUCA & BIAGGIO, J	359 LEXINGTON AVE	ACTI
230600	80.48-4-19	351 LEXINGTON AVE CRP	351 LEXINGTON AVE	ACTI
230700	80.48-4-21	C&S CORP	345 LEXINGTON AVE	ACTI
230800	80.48-4-22	MULONE, TODDY MARTINA	341 LEXINGTON AVE	ACTI
230900	80.48-4-23	TRIPODI, ANGELA	339 LEXINGTON AVE	ACTI
231000	80.48-4-24	TRIPODI, CARMELO	335 LEXINGTON AVE	ACTI
231150	80.48-4-1	MT KISCO GLASS CO	333 LEXINGTON AVE	ACTI
231200		ANTONIO LUPPINO	385 LEXINGTON AVE	ACTI
231400		325 LEXINGTON AVE CORP	315 LEXINGTON AVE	ACTI
231450	80.48-2-11	VELARDO, GIUSEPPE	305 LEXINGTON AVE	ACTI
231500	80.48-2-10	CAMBARERI, GRACE	307 LEXINGTON AVE	ACTI
231600	80.48-2-12	CAMBARERI, ROCCO	301 LEXINGTON AVE	ACTI
231700	305 LEXINGTON AVELLC	305 LEXINGTON AVE LLC	305 LEXINGTON AVE	ACTI
231800		SCHWARTZ, ESTHER E	283 LEXINGTON AVE	ACTI
231801	80.40-5-6 OR 80.48-2	MINDFUL MOVES PILATES	305 LEXINGTON AVE	ACTI
231802		NEW BUILDING ON 305 LEXIN	305 LEXINGTON AVE	INAC
231803		NEW BUILDING ON 305 LEXIN	305 LEXINGTON AVE	ACTI
231804		NAIL STORE ON 305 LEXINGT	305 LEXINGTON AVE	ACTI
231805		BITS N PIZZA RESTAURANT	305 LEXINGTON AVE	ACTI
231806		NEW BUILDING ON 293/305 L	305 LEXINGTON AVE	INAC
231807		MAHOPAC BANK	305 LEXINGTON AVE	ACTI
231808		MOUNT KISCO VOLUNTEER AMB	310 LEXINGTON AVE	ACTI
231900	80.40-3-21	CAFE ANTICO	267 LEXINGTON AVE/CAFE ANTICO	ACTI
232000	80.40-3-19	GOEWEY, CHERYL	239 LEXINGTON AVE	ACTI
232100		THREE GIRLS LLC	225 LEXINGTON AVE	INAC
232200		REBER, JOHN F	221 LEXINGTON AVE	ACTI
232241	80.40-3-1	THREE GIRLS, LLC	241 LEXINGTON AVE	ACTI
232250		REBER, JOHN	223 LEXINGTON AVE FLOWER SHOP	ACTI
232300	80.32-4-6	BAGNATO, JOSEPH & CARME	215 LEXINGTON AVE	ACTI
233000	80.32-4-7	PIERAGOSTINI, CONCETTA	203 LEXINGTON AVE	ACTI
233100	80.32-4-8	DIMATTEO, GERARDO JR	201 LEXINGTON AVE	ACTI
233200	80.32-4-9	JADAN, ENRIQUE	200 LEXINGTON AVE	ACTI
233300	80.32-4-10	BAGNATO HOLDING	197 LEXINGTON AVE	ACTI
233400	80.32-4-10	BAGNATO HOLDING	199 LEXINGTON AVE	ACTI
233500	80.32-4-1	BAGNATO HOLDING	187 LEXINGTON AVE	ACTI
233600	80.32-3-4	CAMBARERI, ANTONIO	177 LEXINGTON AVE	ACTI
233700	80.32-3-5	ASARO, SANTO	173 LEXINGTON AVE	ACTI
233725	80.32-3-1	ASARO, SANTO	169 LEXINGTON AVE	ACTI
233750	80.32-2-8	LUPPINO, ANTONIO	163 LEXINGTON AVE	ACTI
233900	80.32-2-9	RUSSO, ROCCO & PESCE, A	157 LEXINGTON AVE	ACTI
233950	80.32-2-10	CAMBARERI, FORTUNATO	147 LEXINGTON AVE	ACTI
234000	80.32-2-1	CAMBARERI, PAT	143 LEXINGTON AVE	ACTI

** END OF REPORT **

VILLAGE OF MOUNT KISCO
Account Master Maintenance

Account	Parcel	Customer Name	Location	Stat
222800		OLIVERI, DIEGO	54 NEW CASTLE DRIVE	ACTI
222900		FRANCESCO OLIVERI	56 NEW CASTLE DRIVE	ACTI
222950	80.64-1-13	BUETI, ANTONIO	40 NEW CASTLE DR	ACTI
223000	80.64-1-21	BUETI, ANTONIO & LINA	60 NEW CASTLE DRIVE	ACTI
223100	80.64-1-20	BUETI, JOHN	62 NEW CASTLE DRIVE	ACTI
223200	80.64-1-18	ANTONIO CAMBARERI	72 NEW CASTLE DRIVE	ACTI
223700		HARRY G MILLER JR	9 NEW CASTLE DR	ACTI
223800		EDNA MILLER	15 NEW CASTLE DR	ACTI
223900	80.72-1-3	CARACCIOLO, BONNIE	21 NEW CASTLE DR	ACTI
224000		MR CARMELO CARROZZA	25 NEW CASTLE DRIVE	ACTI
224050	80.72-1-1	RENNA, ANTHONY & MARY	35 NEW CASTLE DR	ACTI
224100		PASSLER, MARIO	29 NEW CASTLE DR	ACTI
224200		ALFRED LO GUIDICE	37 NEW CASTLE DR	ACTI
224250		MR & MRS H HACKER	65 NEW CASTLE DRIVE	ACTI
224300		JOSEPH CAMBARERI	3 NEW CASTLE DRIVE	ACTI

** END OF REPORT **

Account	Parcel	Customer Name	Location	Stat
254800	80.72-1-12	KENNY, JOAN	24 EAST WAY	ACTI
254900	80.72-1-13	MELIAMBRO, ROCCO	32 EAST WAY	ACTI
255000	80.72-1-14	DENNIS HART	38 EAST WAY	ACTI
255100	80.72-1-15	GABRIEL HAUSNER	44 EAST WAY	ACTI
255200	80.71-3-8	MARIELLE NIEVES	50 EAST WAY	ACTI
255300	80.71-3-7	JOSEPHINE CHERUBINI	54 EAST WAY	ACTI
255400	80.71-3-6	BOLES YANTOS, JUSTINE	62 EAST WAY	ACTI
255500	80.71-3-5	LISCHINSKY, JOSEPH	66 EAST WAY	ACTI
255600	80.71-3-4	LUPPINO, FRANK A	74 EAST WAY	ACTI
255700	80.71-3-3	WILHELM, JOSEPH	86 EAST WAY	ACTI
255800	80.71-3-2	FERRATTI, MICHAEL	94 EAST WAY	ACTI
255900	80.71-3-1	LIDDY, FRANCIS	100 EAST WAY	ACTI
256100	80.71-2-2	DE PHHILLIPS, GAETON J	101 EAST WAY	ACTI
256200	80.71-2-3	JAMES CARAVELLO	93 EAST WAY	ACTI
256300	80.71-2-4	PAPPALARDO, STEPHEN M	81 EAST WAY	ACTI
256400	80.71-2-5	ROMEO, PETER	79 EAST WAY	ACTI
256500	80.71-2-6	BLOUIN, ARTIE PAUL	73 EAST WAY	ACTI
256600	80.71-2-7	MUCCIOLI, MARIO	67 EAST WAY	ACTI
256700	80.71-2-8	CWEIBELL, MARVIN	61 EAST WAY	ACTI
256800	80.71-2-9	BERRETT, JOSHUA	55 EAST WAY	ACTI
256900	80.71-2-10	McGINNESS, MARILYN	49 EAST WAY	ACTI
257000	80.71-2-11	COHEN, JOEL M.	43 EAST WAY	ACTI
257100	80.71-2-12	WALLACE, WALTON JR.	37 EAST WAY	ACTI
257200	80.71-2-13	MAGNUSON, GEORGE A.	25 EAST WAY	ACTI
257300	80.71-2-14	SOULIAS, MICHAEL	15 EAST WAY	ACTI

** END OF REPORT **

06/01/2005
10:26:45

VILLAGE OF MOUNT KISCO
Account Master Maintenance

Account	Parcel	Customer Name	Location	Stat
257400	80.71-2-15	AMUSO, MARGARET M	24 WEST WAY	ACTI
257500	80.71-2-16	RUDOLF, VERNA	34 WEST WAY	ACTI
257600	80.71-2-17	MCKINNEY, EDNA	40 WEST WAY	ACTI
257700	80.71-2-18	BRODERICK, WILLLIAM	46 WEST WAY	ACTI
257800	80.71-2-19	DORTA, NELSON & KRISTEN	52 WEST WAY	ACTI
257900	80.71-2-20	TAYLOR, RALPH E	58 WEST WAY	ACTI
258000	80.71-2-21	JOHANNSSEN, THOR	64 WEST WAY	ACTI
258100	80.71-2-22	DUFFY, FRANK & LINDA	70 WEST WAY	ACTI
258200	80.71-2-23	CHADWICK, J H	78 WEST WAY	ACTI
258300	80.71-2-24	MOORE, LISA & EUGENE	84 WEST WAY	ACTI
258400	80.71-2-25	BONURA, STEPHEN	92 WEST WAY	ACTI
258500	80.71-2-1	ALEXANDER, RICHARD	100 WEST WAY	ACTI
258600	80.71-1-1	TIPA, PATRICIA & JAMES	117 WEST WAY	ACTI
258700	80.71-1-2	O'DELL MAUREEN & ERNIE	109 WEST WAY	ACTI
258800	80.71-1-3	SALVATORE, VITO	103 WEST WAY	ACTI
258900	80.71-1-4	HELBER, CAROLYN	95 WEST WAY	ACTI
259000	80.71-1-5	PANETTA, EUGENE	89 WEST WAY	ACTI
259100	80.71-1-6	HACKEL, KURT	83 WEST WAY	ACTI
259200	80.71-1-7	TAREQUE, KAM	77 WEST WAY	ACTI
259300	80.71-1-8	SEBRING, KAREN	71 WEST WAY	ACTI
259400	80.71-1-9	JONES-BRICE, PAMELA MRS	65 WEST WAY	ACTI
259500	80.71-1-10	OTO, DARLA P	59 WEST WAY	ACTI
259600	80.71-1-11	HAGEN JR, JOHN	55 WEST WAY	ACTI
259700	80.79-1-1	KRALJEVIC, DENIS	39 WEST WAY	ACTI
259800	80.79-1-2	HVISCH, JOHN	33 WEST WAY	ACTI
259900	80.79-1-3	GAGLIARDI, DANIEL	27 WEST WAY	ACTI
260000	80.79-1-4	SMITH, DANIEL	19 WEST WAY	ACTI
260400	80.79-1-5	CRAZES, ALBERT & ROSE	9 WEST WAY	ACTI

** END OF REPORT **

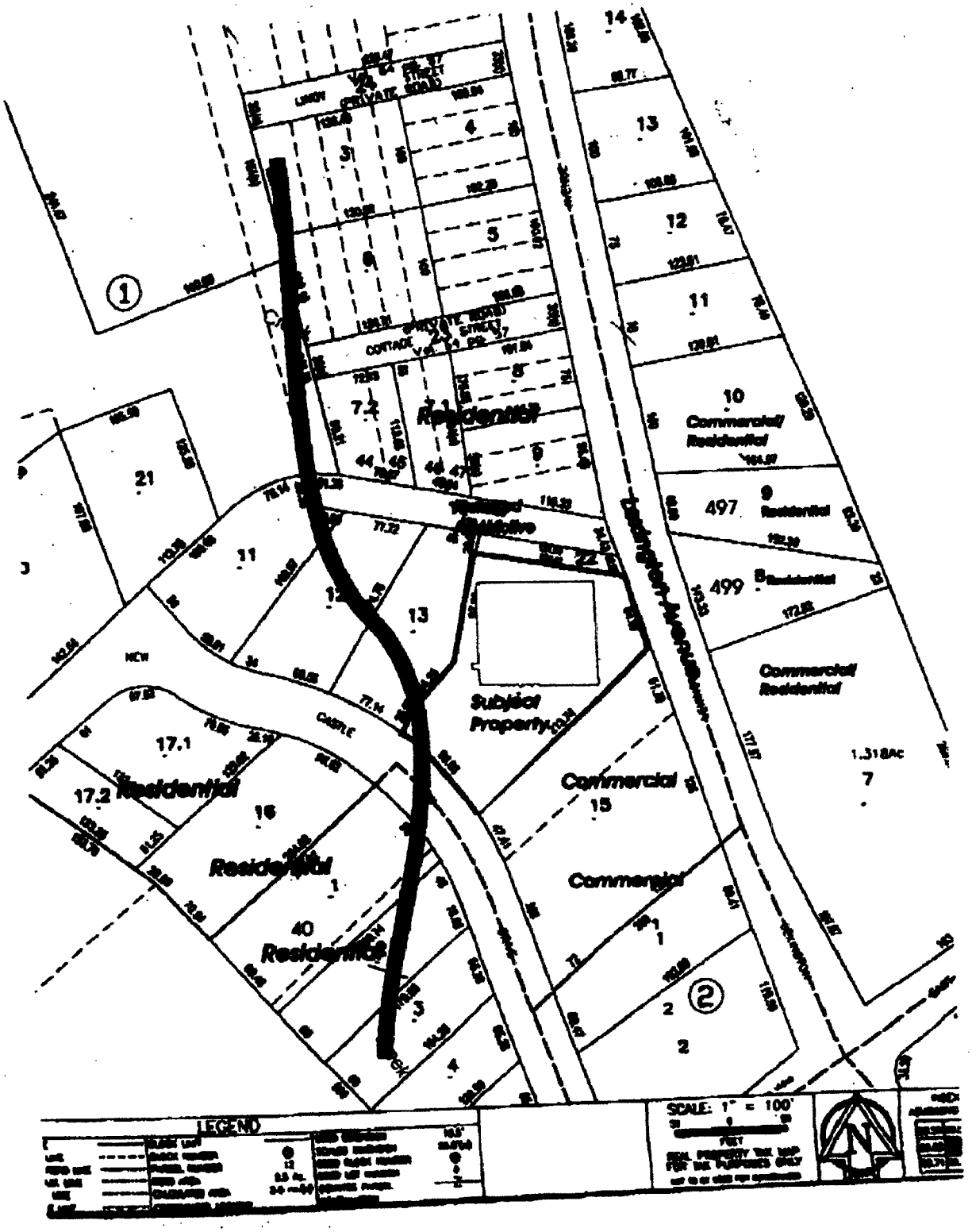


Figure 2- Tax Map of Subject Property and Adjoining Areas

Prop. Tax ID	Address	Owner Information
80.72-1-3	21 New Castle Drive	Bonnie Caracciolo 21 New Castle Drive Mount Kisco, NY 10549
80.72-1-2	27 New Castle Drive	Nancy Carozza 299 Jay Street Katonah, NY 10536
80.72-1-1	35 New Castle Drive	Mary Renna 35 New Castle Drive Mount Kisco, NY 10549
80.64-1-22	Lexington Avenue	Joseph Oliveri 56 New Castle Drive Mount Kisco, NY 10549
80.64-1-10	Lexington Avenue	Louis DiLisio Sr. 486 Lexington Avenue Mount Kisco, NY 10549
80.64-1-9	486-488 Lexington Avenue	Louis DiLisio Sr. 486 Lexington Avenue Mount Kisco, NY 10549
80.64-1-8	480-484 Lexington Avenue	Lucy Carbone 27 Grandview Drive Mount Kisco, NY 10549
80.64-1-7.2	3 Cottage Place	The Solano Italian American Society 3 Cottage Place Mount Kisco, NY 10549
80.64-1-7.1	Cottage Place	Louis DiLisio Jr. 486 Lexington Avenue Mount Kisco, NY 10549
80.64-1-6	2 Cottage Place	Arco Cottage LP 2 Cottage Place Mount Kisco, NY 10549
80.64-1-5	474 Lexington Avenue	Joseph E. Haddad 12 Sunset Drive No. Chappaqua, NY 10514

Prop. Tax ID	Address	Owner Information
80.64-1-23	Cottage Street	Unknown Owner
80.64-1-4	460-466 Lexington Avenue	1261 Baldwin Road Realty 466 Lexington Avenue Mount Kisco, NY 10549
80.64-1-3	458 Lexington Avenue	Tremar Associates 458 Lexington Avenue Mount Kisco, NY 10549
80.64-2-14	473 Lexington Avenue	Joseph Lombardo 4 Franklin Avenue Bedford Hills, NY 10507
80.64-2-13	481 Lexington Avenue	Patricia M. Reilly 66 Grove Street Mount Kisco, NY 10549
80.64-2-12	487 Lexington Avenue	Sandra Kuritzky c/o Frances Kuritzky 487 Lexington Avenue Mount Kisco, NY 10549
80.64-2-11	495 Lexington Avenue	Petersville Land Co. LLC 31 Petersville Road Mount Kisco, NY 10549
80.64-2-10	503 Lexington Avenue	B&B of Mount Kisco c/o Robert Wiedenhorn 503 Lexington Avenue Mount Kisco, NY 10549
80.64-2-9	497 Lexington Avenue	Angelo Luppino c/o Angelo Luppino Jr. 127 Tripp Street Mount Kisco, NY 10549
80.64-2-8	513 Lexington Avenue	Rocco Bueti McLain Street Mount Kisco, NY 10549

Prop. Tax ID	Address	Owner Information
80.64-2-7	662 Main Street	Hudson Valley National Bank ✓ c/o Comptroller 21 Scarsdale Road Yonkers, NY 10707
80.72-2-1	520 Lexington Avenue	J&K Holdings LLC ✓ c/o Karl Hinrichs 530 Main Street Armonk, NY 10504
80.72-2-2	680 Main Street	Mobil Oil Corporation ✓ c/o John Healing Property Tax Division P.O. Box 4973 Houston, TX 77210

Owner Information

Prop. Tax ID	Address	Owner Information
80.64-1-14	500 Lexington Avenue	Rose Cleaners
80.64-1-15	510 Lexington Avenue	Blue Point Realty Corp 510 Lexington Avenue Mount Kisco, NY 10549
80.64-1-16	43 New Castle Drive	Camille Passler 225 Campfire Road Chappaqua, NY 10514
80.64-1-17.1	53 New Castle Drive	Luann Bianconi c/o Alfred & Elizabeth LoGuidice 37 New Castle Drive Mount Kisco, NY 10549
80.64-1-17.2	65 New Castle Drive	Herbert C. Hackert 65 New Castle Drive Mount Kisco, NY 10549
80.64-1-13	40 New Castle Drive	Antonino Bueti 40 New Castle Drive Mount Kisco, NY 10549
80.64-1-12	56 New Castle Drive	Francesco Oliveri 56 New Castle Drive Mount Kisco, NY 10549
80.64-1-11	54 New Castle Drive	Diego Oliveri 54 New Castle Drive Mount Kisco, NY 10549
80.64-1-21	60 New Castle Drive	Antonio Bueti 40 New Castle Drive Mount Kisco, NY 10549
80.64-1-20	62 New Castle Drive	John Bueti 62 New Castle Drive Mount Kisco, NY 10549
80.72-1-4	15 New Castle Drive	Edna Miller 13 New Castle Drive Mount Kisco, NY 10549

APPENDIX C

Groundwater Sampling Parameters

Table -Summary of Field Parameters

Groundwater Sample	DO	COND	ORP	PH	TDS	TEMP
GW-5 (5-7 ft bgs)	2.53	3467	289	8.18	2631	53.2
GW-6 (5-7 ft bgs)	1.77	1329	-529	6.32	933	53.4
GW-6 (15-17 ft bgs)	1.46	1617	-106	6.70	1148	54.8
GW-6 (25-27 ft bgs)	0.29	1144	-425	7.38	799	53.8
GW-7 (5-7 ft bgs)	1.01	1283	-431	7.04	900	53.6
GW-7 (15-17 ft bgs)	0.73	1258	-448	7.01	883	53.5
GW-7 (25-27 ft bgs)	1.3	1310	-501	6.50	918	53.6

APPENDIX D

Data Validation Reports & Sample Data Summary Package

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

DATA VALIDATION REPORT

ORGANIC ANALYSES

EPA Compendium Method TO-15
VOLATILES BY GC/MS

For Soil Gas Samples Collected
May 24, 2005 through May 25, 2005
Rose Cleaners
500 Lexington Avenue, Mount Kisco, New York
Berninger Environmental

SAMPLE DELIVERY GROUP NUMBER: 107648
STL Burlington

SUBMITTED TO:

Mr. Walter Berninger/President
Berninger Environmental
1615 Ninth Avenue
Bohemia, New York 11716

October 8, 2005

PREPARED BY:

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

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

Rose Cleaners –Mt. Kisco, New York.
Data Validation Report: Volatile Organics

Table of Contents:

Introduction:

A validation was performed on nine (9) soil gas [air] samples for Volatile Organic analysis collected by Berninger Environmental and submitted to STL Burlington for subsequent analysis under chain of custody documentation. This report contains the laboratory and validation results for the nine (9) field samples itemized below. The samples were collected on May 24, 2005 through May 25, 2005.

The samples were analyzed by STL Burlington utilizing EPA Method TO-15 and in accordance with NYSDEC Analytical Services Protocol (10/95) and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodology employed. The analytical testing consisted of the selected TO-15 Target Compound List (TCL) of analytes for Volatile Organics listed in Appendix A.

The data was evaluated in accordance with the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (Publication 9240.1-05) and in conjunction with the analytical methodology for which the samples were analyzed, where applicable and relevant.

The data validation report pertains to the following field soil gas/air samples:

Sample Identification	Laboratory Identification(s)	Sample Matrix	Collection Date
SG-1 (2.0-2.5 ft)	622705	Air	05/24/05
SG-2 (2.0-2.5 ft)	622706	Air	05/24/05
SG-3 (2.0-2.5 ft)	622707	Air	05/24/05
SG-4 (2.0-2.5 ft)	622708	Air	05/24/05
SG-5 (2.0-2.5 ft)	622709	Air	05/24/05
SG-6 (2.0-2.5 ft)	622710	Air	05/24/05
SG-7 (2.0-2.5 ft)	622711	Air	05/25/05
SG-8 (2.0-2.5 ft)	622712	Air	05/25/05
SG-9 (2.0-2.5 ft)	622713	Air	05/25/05

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 document from 05/24/05-05/25/05 indicates that nine (9) air samples were received at STL Burlington on 05/27/05. Sample login notes and the chain of custody indicate that at the Validated Time of Sample Receipt (VTSR) at the laboratory no discrepancies were notated and therefore the integrity of the samples is 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. All data validation qualifications have been reported in the excel spreadsheet in bold for ease of review and verification.

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.

Volatile Organics by EPA Compendium Method TO-15

The following method criteria were reviewed: holding times, LCS, Blanks, Tunes, Calibrations, Internal Standards, Target Component Identification and Quantitation, Reported Quantitation Limits and Overall System Performance. The volatile results were considered to be valid and useable as noted on the data summary tables in Appendix A and 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, "J", or unusable, "R", if the holding times are grossly exceeded.

Air samples pertaining to this SDG were performed within the method required thirty (30) days from sample collection for analysis. No qualifications were required based upon holding time criteria.

1.2 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.

Matrix Spike/Matrix Spike Duplicate analysis was not performed on samples pertaining to this SDG, however, LCS and LCS Duplicates were analyzed and acceptable recoveries for all spiked components were observed with the exception of Hexachlorobutadiene (69%) which documents method efficiency. No qualifications to the data were made based on this outlier.

1.3 Laboratory Control Sample

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

All compounds recovered well in the Laboratory Control Samples with the exception of Hexachlorobutadiene which recovered slightly below acceptance limits in L4LCS. No qualifiers were applied.

1.4 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. Storage blanks measure cross-contamination during sample storage of the field samples.

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:**

Target analytes were not detected in any of the associated method blanks pertaining to this SDG.

B) **Field Blank Contamination:**

Field Blank analysis was not conducted for this SDG.

C) **Trip Blank Contamination:**

Trip Blank analysis was not submitted with this SDG.

D) **Storage Blank Contamination:**

Storage blanks were not submitted for this SDG. It should be noted that storage blanks are not mandated by EPA Method TO-15.

1.5 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.

1.6 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.

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 target compounds.

Continuing Calibrations: The continuing calibrations provided and the %D were within acceptable limits (25%) with the following exceptions:

CCAL – 06/01/05:
1,3,5-Trimethylbenzene – 32.5%

SG-2, SG-4, SG-5, SG-6, SG-7 and SG-8 have been qualified "UJ" as required for this analyte.

1.7 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.

Internal Standard area responses met QC requirements for all analysis pertaining to this data set.

1.8 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.

1.9 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is considered to be acceptable. Correct internal standards and response factors and air volumes were used to calculate final concentrations.

Samples were analyzed using reduced sample volumes as determined from the autodilutor. Review of the raw data and subsequent target concentration justify the dilution that was performed. Sample quantitation limits have been adjusted for the purge volume of air conducted.

1.10 Overall System Performance

GC/MS analytical methodology was acceptable for this analysis.

Reviewer's Signature Louis A Bz **Date** 10/08/05

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

Appendix A
Data Summary Tables
With Qualifications

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

VOLATILE ORGANICS EPA Compendium METHOD TO-15

Rose Cleaners, 500 Lexington Avenue, Mt. Kisco NY
SDG 107468

Berninger Sample ID:		SG-1 (2.0-2.5 ft)	SG-2 (2.0-2.5 ft)	SG-3 (2.0-2.5 ft)	SG-4 (2.0-2.5 ft)	SG-5 (2.0-2.5 ft)	SG-6 (2.0-2.5 ft)	SG-7 (2.0-2.5 ft)	SG-8 (2.0-2.5 ft)	SG-9 (2.0-2.5 ft)
Laboratory ID:		622705	622706	622707	622708	622709	622710	622711	622712	622713
Sampling Date:		5/24/2005	5/24/2005	5/24/2005	5/24/2005	5/24/2005	5/24/2005	5/25/2005	5/25/2005	5/25/2005
Cas #	Analyte	Units								
75-71-8	Dichlorodifluoromethane	ppbv	0.51	10 U	5.0 U	400 U	1500 U	250 U	0.50 U	0.50 U	0.50 U
74-87-3	Chloromethane	ppbv	0.50 U	10 U	5.0 U	400 U	1500 U	250 U	0.50 U	0.50 U	0.72
75-01-4	Vinyl Chloride	ppbv	0.20 U	150	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
74-83-9	Bromomethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
75-00-3	Chloroethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
75-69-4	Trichlorofluoromethane	ppbv	0.22	4.0 U	2.0 U	160 U	600 U	100 U	1.1	16	2.5
76-13-1	Freon TF	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
75-35-4	1,1-Dichloroethene	ppbv	0.20 U	12	2.0 U	160 U	620	100 U	0.20 U	0.20 U	0.20 U
75-09-2	Methylene Chloride	ppbv	0.50 U	21	5.0 U	400 U	1500 U	250 U	2.8	0.50 U	0.50 U
75-34-3	1,1-Dichloroethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
156-59-2	cis-1,2-Dichloroethene	ppbv	0.20 U	550	5.7	8400	1800	100 U	0.20 U	0.20 U	0.20 U
67-66-3	Chloroform	ppbv	0.20 U	4.0 U	2.1	160 U	600 U	100 U	0.20 U	0.31	0.20 U
71-55-6	1,1,1-Trichloroethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.51
56-23-5	Carbon Tetrachloroide	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
71-43-2	Benzene	ppbv	0.24	4.3	2.0 U	160 U	600 U	100 U	0.22	0.35	6.3
107-06-2	1,2-Dichloroethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
79-01-6	Trichloroethene	ppbv	0.20 U	630	46	3100	3100	240	0.20 U	0.20 U	0.38
78-87-5	1,2-Dichloropropane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
10061-01-5	cis-1,3-Dichloropropene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
108-88-3	Toluene	ppbv	1.1	17	5.9	160 U	620	120	4.4	3.2	8.1
10061-02-6	trans-1,3-Dichloropropene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
79-00-5	1,1,2-Trichloroethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
127-18-4	Tetrachloroethene	ppbv	2.9	610	320	20000	82000	15000	12	15	27
108-90-7	Chlorobenzene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
100-41-4	Ethylbenzene	ppbv	0.20 U	4.2	2.0 U	160 U	600 U	100 U	0.96	0.76	2.3
1330-20-7	Xylene (m,p)	ppbv	0.44	10	4.7	160 U	600 U	100 U	4.2	2.4	8.2
100-42-5	Styrene	ppbv	0.20 U	4.2	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
95-47-6	Xylene (o)	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	1.5	0.73	3.0
79-34-5	1,1,2,2-Tetrachloroethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
541-73-1	1,3-Dichlorobenzene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
106-46-7	1,4-Dichlorobenzene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
95-50-1	1,2-Dichlorobenzene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
120-82-1	1,2,4-Trichlorobenzene	ppbv	0.50 U	10 U	5.0 U	400 U	1500 U	250 U	0.50 U	0.50 U	0.50 U
87-68-3	Hexachlorobutadiene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
108-67-8	1,3,5-Trimethylbenzene	ppbv	0.20 U	**4.0 UJ**	2.0 U	**160 UJ**	**600 UJ**	**100 UJ**	**0.55 J**	**0.20 UJ**	0.71
95-63-6	1,2,4-Trimethylbenzene	ppbv	0.50 U	4.0 U	2.0 U	160 U	600 U	100 U	1.7	0.28	1.8
76-14-2	1,2-Dichlorotetrafluoroethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
106-93-4	1,2-Dibromoethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
106-99-0	1,3-Butadiene	ppbv	0.22	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.42	16
75-15-0	Carbon Disulfide	ppbv	0.50 U	31	5.0 U	400 U	1600	260	0.50 U	0.50 U	4.5
110-82-7	Cyclohexane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.29 U	0.72
124-48-1	Dibromochloromethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
75-25-2	Bromoform	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
75-27-4	Bromodichloromethane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
156-60-5	trans-1,2-Dichloroethene	ppbv	0.20 U	4.0 U	2.0 U	300	600 U	100 U	0.20 U	0.20 U	0.20 U
622-96-8	4-Ethyltoluene	ppbv	0.25 U	4.0 U	2.0 U	160 U	600 U	100 U	1.6	0.48	2.0
107-05-1	3-Chloropropene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
540-84-1	2,2,4-Trimethylpentane	ppbv	1.9	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
593-60-2	Bromoethene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	0.20 U	0.20 U	0.20 U
95-49-8	2-Chlorotoluene	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U	1.0	0.49	5.5
110-54-3	n-Hexane	ppbv	0.57	4.4	2.0 U	160 U	600 U	100 U	0.27	0.37	3.1
142-82-5	n-Heptane	ppbv	0.20 U	4.0 U	2.0 U	160 U	600 U	100 U			
	Total VOC Concentration (ppbv)										

VOLATILE ORGANICS EPA Compendium METHOD TO-15

Rose Cleaners, 500 Lexington Avenue, Mt. Kisco, NY
SDG 107468

Berninger Sample ID:		SG-1 (2.0-2.5 ft)	SG-2 (2.0-2.5 ft)	SG-3 (2.0-2.5 ft)	SG-4 (2.0-2.5 ft)	SG-5 (2.0-2.5 ft)	SG-6 (2.0-2.5 ft)	SG-7 (2.0-2.5 ft)	SG-8 (2.0-2.5 ft)	SG-9 (2.0-2.5 ft)
Laboratory ID:		622705	622706	622707	622708	622709	622710	622711*	622712	622713
Sampling Date:		5/24/2005	5/24/2005	5/24/2005	5/24/2005	5/24/2005	5/24/2005	5/25/2005	5/25/2005	5/25/2005
Cas #	Analyte	Units								
75-71-8	Dichlorodifluoromethane	ug/m3	1.6	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
74-87-3	Chloromethane	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1.5
75-01-4	Vinyl Chloride	ug/m3	1 U	387	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
74-83-9	Bromomethane	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
75-00-3	Chloroethane	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
75-69-4	Trichlorofluoromethane	ug/m3	1.5	20 U	10 U	200 U	3000 U	500 U	4.6	67.8	10.8
76-13-1	Freon TF	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
75-35-4	1,1-Dichloroethene	ug/m3	1 U	48.0	10 U	200 U	2490	500 U	1 U	1 U	1 U
75-09-2	Methylene Chloride	ug/m3	1 U	73.5	10 U	200 U	3000 U	500 U	9.8	1 U	1 U
75-34-3	1,1-Dichloroethane	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
156-59-2	cis-1,2-Dichloroethene	ug/m3	1 U	2200	22.8	33600	4000	500 U	1 U	1 U	1 U
67-66-3	Chloroform	ug/m3	1 U	20 U	7.3	200 U	3000 U	500 U	1 U	1 U	1 U
71-55-6	1,1,1-Trichloroethane	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	2.1
56-23-5	Carbon Tetrachloroide	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
71-43-2	Benzene	ug/m3	0.8	140	10 U	200 U	3000 U	500 U	2.7	1.1	20.5
107-06-2	1,2-Dichloroethane	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
79-01-6	Trichloroethene	ug/m3	1 U	2494	182	12270	12270	950	1 U	1 U	1.5
78-87-5	1,2-Dichloropropane	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
10061-01-5	cis-1,3-Dichloropropene	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
108-88-3	Toluene	ug/m3	4.2	55.2	22.8	200 U	2377	460	16.9	12.3	31.1
10061-02-6	trans-1,3-Dichloropropene	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
79-00-5	1,1,2-Trichloroethane	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
127-18-4	Tetrachloroethene	ug/m3	19.5	4168	2187	136667	566333	102500	82.0	102.5	184.5
108-90-7	Chlorobenzene	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
100-41-4	Ethylbenzene	ug/m3	1 U	15.9	10 U	200 U	3000 U	500 U	3.6	2.9	8.7
1330-20-7	Xylene (m,p)	ug/m3	1.9	44.2	17.8	200 U	3000 U	500 U	18.6	10.6	36.2
100-42-5	Styrene	ug/m3	1 U	18.2	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
95-47-6	Xylene (o)	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	5.6	3.2	13.3
79-34-5	1,1,2,2-Tetrachloroethane	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
541-73-1	1,3-Dichlorobenzene	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
106-46-7	1,4-Dichlorobenzene	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
95-50-1	1,2-Dichlorobenzene	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
120-82-1	1,2,4-Trichlorobenzene	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
87-68-3	Hexachlorobutadiene	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
108-67-8	1,3,5-Trimethylbenzene	ug/m3	1 U	20 UJ	10 U	200 UJ	3000 UJ	500 UJ	2.4 J	1 UJ	3.1
95-63-6	1,2,4-Trimethylbenzene	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	7.4	1.2	7.9
76-14-2	1,2-Dichlorotetrafluoroethane	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
106-93-4	1,2-Dibromoethane	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
106-99-0	1,3-Butadiene	ug/m3	0.8	20 U	10 U	200 U	3067	823	1 U	1 U	3.9
75-15-0	Carbon Disulfide	ug/m3	1 U	98.2	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
110-82-7	Cyclohexane	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
124-48-1	Dibromochloromethane	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
75-25-2	Bromoform	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
75-27-4	Bromodichloromethane	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
156-60-5	trans-1,2-Dichloroethene	ug/m3	1 U	20 U	10 U	1200	3000 U	500 U	1 U	1 U	1 U
622-96-8	4-Ethyltoluene	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	7.0	1	8.9
107-05-1	3-Chloropropene	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
540-84-1	2,2,4-Trimethylpentane	ug/m3	1.5	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
593-60-2	Bromoethene	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
95-49-8	2-Chlorotoluene	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	1 U	1 U	1 U
110-54-3	n-Hexane	ug/m3	1.4	10.5	10 U	200 U	3000 U	500 U	2.4	1.2	13.1
142-82-5	n-Heptane	ug/m3	1 U	20 U	10 U	200 U	3000 U	500 U	2.5	0.9	7.4
	Total VOC Concentration (ug/m3)										

Appendix B
Chain of Custody

SEVERN TRENT LABORATORIES, INC. **STL**

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446 Tel 802 655 1203

CHAIN OF CUSTODY RECORD

Report to:	Invoice to:
Company: Beninger Environmental Inc.	Company: SAme
Address: 90B Knickerbocker Ave Bohemia, NY 11716	Address:
Contact: Walter Beninger	Contact:
Phone: 631-589-6521	Phone:
Fax: 631-589-6528	Fax:
Contract/ Quote: PO# 5051378	

Sampler's Name: Jill Hrimson

Sampler's Signature:

Proj. No.:

Project Name: Rose Cleaners, 500 Lexington Avenue Mt. Kisco

No/Type of Containers²: 6 Liter canister

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	TO-14 VOCs w/ TO-15 Methods ASTM D1946 Helium		Lab/Sample ID (Lab Use Only)
Air	5/24/05	10:20		X	SG-1 2.0-2.5 ft	1				1	1	
		11:08		X	SG-2 2.0-2.5 ft	1				1	1	
		12:17		X	SG-3 " "	1				1	1	
		2:38		X	SG-4 2.0-2.5 ft	1				1	1	
		4:02		X	SG-5	1				1	1	
		7:33		X	SG-6	1				1	1	
Air	5/25/05	8:45		X	SG-7 2.0-2.5 ft	1				1	1	
		11:26		X	SG-8	1				1	1	
		9:15		X	SG-9	1				1	1	

Lab Use Only
Due Date:

Temp. of coolers when received (C°):

1	2	3	4	5

Custody Seal N / Y
Intact N / Y

Screened For Radioactivity ☐

Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time
Jill Hrimson	5/26/05	2:23PM	C. DeMarco	5.26.05	14:23
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time
			Scott	5/27/05	0930
Relinquished by: (Signature)	Date	Time	Received by: (Signature	Date	Time

Remarks: Helium TRACER GAS USED

Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other

STL cannot accept verbal changes. Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

Appendix C
SDG Narrative

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

June 15, 2005

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

Re: Laboratory Project No. 25000
Case: 25000; SDG: 107468

Dear Mr. Berninger:

Enclosed are the analytical results for samples received by STL Burlington on May 27, 2005. This report is sequentially numbered starting with page 0001 and ending with page 0341. Laboratory numbers have been assigned and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 05/27/05 ETR No: 107468		
622705	SG-1	05/24/05	Air
622706	SG-2	05/24/05	Air
622707	SG-3	05/24/05	Air
622708	SG-4	05/24/05	Air
622709	SG-5	05/24/05	Air
622710	SG-6	05/24/05	Air
622711	SG-7	05/25/05	Air
622712	SG-8	05/25/05	Air
622713	SG-9	05/25/05	Air

Documentation of the condition of the samples at the time their receipt and any exceptions to the laboratory's Sample Acceptance Policy is included in the Sample Handling section of this submittal.

In the volatile organic analysis, the recovery of hexachlorobutadiene in the laboratory control sample, L4LCS, was below the established control limits. All other target analytes exhibited recoveries that were well within control limits.

The response for 1,3,5-trimethylbenzene in the continuing calibration standard acquired on June 1, 2005 at 10:00, exhibited a percent difference relative to the mean of the calibration that was above the 30% limit. The response for this compound increased and no loss of instrument sensitivity was exhibited.

The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to the requirements specified in the NELAC standard.

Release of the data contained in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at (802) 655-1203.

Sincerely,

Lori Arnold
Project Manager

Enclosure

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

DATA VALIDATION REPORT

ORGANIC ANALYSIS

NYSDEC ASP 10/95 SW846 METHOD 8260B
VOLATILES BY GC/MS

For Groundwater/Soil/Sediment Samples Collected
May 24, 2005, May 25, 2005 and June 01, 2005
From 500 Lexington Avenue, Mount Kisco, New York
Rose Cleaners
Berninger Environmental, Inc.

SAMPLE DELIVERY GROUP NUMBER: BER019, BER020, BER021, BER022
H2M LABS, INC.

SUBMITTED TO:

Mr. Walter Berninger/President
Berninger Environmental, Inc.
90 Knickerbocker Avenue, Unit B
Bohemia, New York 11716-1202

August 15, 2005
Updated September 19, 2005

PREPARED BY:

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

Phone/Fax (631) 757-0467 email LABValidation@aol.com

Rose Cleaners –500 Lexington Avenue, Mount Kisco, New York.
Data Validation Report: Volatile Organics

Table of Contents:

Introduction:

A validation was performed on seventeen (17) soils and thirty-three (33) groundwater samples and the associated quality control samples (Field Blanks, Trip Blanks and MS/MSDs) for Volatile Organic analysis collected by Berninger Environmental, Inc. and submitted to H2M LABS, Inc. for subsequent analysis under chain of custody documentation. This report contains the laboratory and validation results for the twenty (20) samples itemized below. The samples were collected on May 24, 2005, May 25, 2005 and June 01, 2005.

The samples were analyzed by H2M LABS, Inc., utilizing SW846 Method 8260B and in accordance with NYSDEC Analytical Services Protocol (10/95) and submitted under NYSDEC ASP Category B equivalent deliverable requirements for the associated analytical methodology employed. The analytical testing consisted of the Target Compound List (TCL) of analytes for Volatile Organics.

The data was evaluated in accordance with the USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review (Publication 9240.1-05) and in conjunction with the analytical methodology for which the samples were analyzed, where applicable and relevant.

The data validation report pertains to the following field soil/sediment/groundwater and quality control samples:

Sample Identification	Laboratory Identification	Sample Matrix	Collection Date
GW-1 (4-6 ft)	0505764-001	Aqueous	05/24/05
GW-1 (14-16 ft)	0505764-002	Aqueous	05/24/05
GW-1 (24-26 ft)	0505764-003	Aqueous	05/24/05
GW-2 (5-7 ft)	0505764-004	Aqueous	05/24/05
GW-2 (15-17 ft)	0505764-005	Aqueous	05/24/05
GW-2 (25-27 ft)	0505764-006	Aqueous	05/24/05
GW-3 (5-7 ft)	0505764-007	Aqueous	05/24/05
GW-3 (15-17 ft)	0505764-008	Aqueous	05/24/05
GW-4 (5-7 ft)	0505764-009	Aqueous	05/24/05
GW-4 (15-17 ft)	0505764-010	Aqueous	05/24/05
GW-4 (25-27 ft)	0505764-011	Aqueous	05/24/05
GW-5 (5-7 ft)	0505764-012	Aqueous	05/25/05
GW-5 (15-17 ft)	0505764-013	Aqueous	05/25/05
GW-5 (25-27 ft)	0505764-014	Aqueous	05/25/05
GW-6 (5-7 ft)	0505764-015	Aqueous	05/25/05
GW-6 (15-17 ft)	0505764-016	Aqueous	05/25/05
GW-6 (25-27 ft)	0505764-017	Aqueous	05/25/05
GW-7 (5-7 ft)	0505764-018	Aqueous	05/25/05
GW-7 (15-17 ft)	0505764-019	Aqueous	05/25/05
GW-7 (25-27 ft)	0505764-020	Aqueous	05/25/05
Trip Blank 5/24	0505764-021	Aqueous	05/24/05
Trip Blank 5/25	0505764-022	Aqueous	05/25/05
SB-1 (3-4 ft)	0505763-001	Soil	05/24/05
SB-2 (5-6 ft)	0505763-002	Soil	05/24/05
SB-3 (4-5 ft)	0505763-003	Soil	05/24/05
SB-4 (4-5 ft)	0505763-004	Soil	05/24/05
SB-5 (3-4 ft)	0505763-005	Soil	05/25/05
SB-6 (3-4 ft)	0505763-006	Soil	05/25/05
SB-8 (6"-8")	0505763-007	Soil	05/25/05
Field Blank 5/24	0505763-008	Aqueous	05/24/05

continued

SB-9 (3-4 ft)	0506059-001	Soil	06/01/05
SB-10 (3-4 ft)	0506059-002	Soil	06/01/05
SB-11 (0.5-1 ft)	0506059-003	Soil	06/01/05
SB-12 (3-4 ft)	0506059-004	Soil	06/01/05
SB-13 (0-3 ft)	0506059-005	Soil	06/01/05
SED-1 (0-6")	0506059-006	Sediment	06/01/05
SED-2 (0-6")	0506059-007	Sediment	06/01/05
SED-3 (0-6")	0506059-008	Sediment	06/01/05
SED-4 (0-6")	0506059-009	Sediment	06/01/05
SED-5 (0-6")	0506059-010	Sediment	06/01/05
GW-9 (5-7 ft)	0506066-001	Aqueous	06/01/05
GW-9 (15-17 ft)	0506066-002	Aqueous	06/01/05
GW-10 (5-7 ft)	0506066-003	Aqueous	06/01/05
GW-10 (15-17 ft)	0506066-004	Aqueous	06/01/05
GW-11 (5-7 ft)	0506066-005	Aqueous	06/01/05
GW-11 (15-17 ft)	0506066-006	Aqueous	06/01/05
GW-12 (5-7 ft)	0506066-007	Aqueous	06/01/05
GW-12 (15-17 ft)	0506066-008	Aqueous	06/01/05
GW-13 (5-7 ft)	0506066-009	Aqueous	06/01/05
GW-13 (15-17 ft)	0506066-010	Aqueous	06/01/05
Culvert	0506066-011	Aqueous	06/01/05
SW-1 (0-1 ft)	0506066-012	Aqueous	06/01/05
SW-2 (0-0.5 ft)	0506066-013	Aqueous	06/01/05
Field Blank	0506066-014	Aqueous	06/01/05
Trip Blank	0506066-015	Aqueous	06/01/05

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 from 05/24/05, 05/25/05 and 06/01/05 indicates that the soil and groundwater samples and associated Field/Trip blanks and MS/MSDs were received at H2M LABS, Inc. upon completion of the sampling event on 05/26/05 and on 06/02/05. Samples were received at chilled temperatures at notated by the laboratory receipt checklist. Sample login notes and the chain of custody indicate that at the Validated Time of Sample Receipt (VTSR) at the laboratory, several vials for the groundwater samples were determined to contain headspace. Headspace was not present at the time of sample collection. The laboratory proceeded with sample analysis as requested. No additional problems and/or discrepancies were noted. The samples were preserved with HCL at a pH <2, therefore, 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. All data validation qualifications have been reported in the excel spreadsheet in bold for case of review and verification. In cases where the VOC concentration exceeds the NYSDEC Glass GA Ambient Water Quality Standards or the NYSDEC TAGM Soil Cleanup Objectives, the value has been presented in bold.

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 Volatile Organics by GC/MS SW846 Method 8260B

The following method criteria were reviewed: holding times, SMCs, MS, MSD, LCS Blanks, Tunes, Calibrations, Internal Standards, Target and Non Target Component Identification, Quantitation, Reported Quantitation Limits and Overall System Performance. The volatile results were considered to be valid and useable as noted on the data summary tables in Appendix A and 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, "J", or unusable, "R", if the holding times are grossly exceeded.

All aqueous and soil samples pertaining to these SDGs were performed within the method and technical holding times for analysis (14 days). No qualifications were required based upon holding time criteria.

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 contact specification, qualifications are required to be applied to associated samples and analytes.

Surrogate recoveries (%R) were found to be within acceptable limits for SMC compounds for all samples pertaining to these SDGs with the exception of BFB which recovered high (144%) in sample SB-2 (5-6 ft). This high recovery is a result of sample matrix interference and the presence of high target/non-target concentrations. Upon reanalysis, similar recoveries were obtained confirming the matrix affect which is documented by the sample chromatograms. No further laboratory action is required.

BFB also recovered low in sample "Culvert" at 83%. Reanalysis confirmed the low recovery and review of the raw data indicates that this anomaly is a result of interfering non-target hydrocarbons. No further laboratory action is required.

Target results are unaffected.

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

The MS/MSD data are generated to determine the long-term precision and accuracy of the analytical method in various matrices.

Soil:
Matrix Spike/Matrix Spike Duplicate analysis was performed on samples SB-3 (4-5 ft) and SED-1 (0-6") associated with these SDGs. Acceptable RPD values were obtained for all spiked components for the MS/MSD with the exception of Trichloroethene in SB-3 (4-5 ft). This outlier is attributed to the high concentration of this compound in the original unspiked sample. No laboratory action is required and no data validation qualifications were applied based on this deviation. Additionally, 9 of 10 spiking recoveries fell below acceptance limits in this MS/MSD series. Since the MSB recovered well, no qualifiers were applied.

Trichloroethene and Chlorobenzene recovered low in the MS/MSD for SED-1 (0-6"). Since the MSB yielded acceptable values the method is in control and the lower recoveries can be attributed to an isolated incident. Based on professional judgment, no qualifications were made to the data.

Groundwater:
Matrix Spike/Matrix Spike Duplicate analysis was performed on sample GW-1 (24-26 ft) associated with SDG BER020. All spike recoveries and RPD fell within acceptance limits. No qualifications were applied based on MS/MSD data.

Matrix Spike/Matrix Spike Duplicate analysis was performed on sample GW-12 (5-7 ft) associated with SDG BER02s. All spike recoveries and RPD fell within acceptance limits with the exception of Trichloroethene in both the MS and MSD. Trichloroethene was not recoverable due to high concentrations (1100 ppb) in the original unspiked sample and therefore a 50 ppb spike becomes negligible. Based on professional judgment, no qualifications were applied based on MS/MSD data.

1.4 Laboratory Control Sample

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

Acceptable LCS/LFB/MSB was analyzed and spiked with all target components as required. All recoveries fell within established QC ranges. No data validation qualifiers were required based upon LCS data.

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. Storage blanks measure cross-contamination during sample storage of the field samples.

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:**

Soils:
Acceptable levels of Methylene Chloride and/or Tetrachloroethene were detected in the soil method blanks analyzed. Results were evaluated based on the above criteria.

Tetrachloroethene concentrations reported in the associated field samples must be considered real as notated in the summary tables since the sample concentrations exceed 5x the blank value.

Waters:
Acceptable levels of Methylene Chloride were detected in the water method blanks analyzed on 06/02/05 and 06/03/05. Sample results were evaluated based on the above criteria and this compound was negated due to blank/laboratory contamination.

Acceptable levels of Tetrachloroethene were detected in the water method blanks analyzed on 06/03/05. Sample concentrations exceeded 5x the blank levels and therefore, the results were reported as obtained and the "B" qualifier was removed for the associated samples.

Non-target analytes were not detected in any of the soil/water method blanks.

B) Field Blank Contamination:

No target/non-target analytes were detected in the Field Blank applicable to the 05/24/05 and 06/01/05 sampling events.

C) Trip Blank Contamination:

No target/non-target analytes were detected in the Trip Blanks associated with these SDGs.

D) Storage Blank Contamination:

Storage blanks were not submitted for this SDG. It should be noted that storage blanks are not mandated by SW846 Method 8260B.

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.

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 was within acceptable limits (30%) with the exception of Methylene Chloride (45.9%) for the ICAL on 06/02/05.

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

CCAL – 06/01/05:
Acetone – 33.8%
Applicable samples:
GW-4 (15-17 ft)
GW-4 (25-27 ft)
GW-5 (5-7 ft)
GW-5 (15-17 ft)
GW-5 (25-27 ft)
GW-1 (4-6 ft)
GW-1 (14-16 ft)
GW-1 (24-26 ft)
GW-2 (5-7 ft)
GW-2 (15-17 ft)

CCAL – 06/02/05:
Acetone – 35.3%
Applicable samples:
GW-4 (5-7 ft)
GW-6 (5-7 ft)
GW-3 (5-7 ft)
GW-2 (25-27 ft)
GW-6 (15-17 ft)
GW-6 (25-27 ft)
GW-7 (5-7 ft)
GW-7 (15-17 ft)
GW-7 (25-27 ft)
GW-1 (24-26 ft)

CCAL – 06/02/05 and 06/03/05:
Methylene Chloride – 25.5%; all soils/sediments previously qualified due to ICAL. No additional qualifications are required.

CCAL – 06/03/05:
1,2-Dichloropropane – 25.3%; applicable to dilutions only and since the diluted values for this compound were used from the initial data set, no qualifications are required.

Non-detects for these compounds in associated field samples must be considered estimated, "UJ." In cases where reported values were detected, the concentrations presented in Appendix A must be considered estimated, "J."

CCAL 06/06/05:
1,2-Dichloropropane – 27.8%
2-Hexanone – 25.9%
4-Methyl-2-Pentanone – 31.3%
Trichloroethene – 27.7%
Applicable samples:
Culvert
SW-1 (0-1 ft)
SW-2 (0-0.5 ft)
GW-9 (15-17 ft)
GW-9 (5-7 ft)
GW-10 (5-7 ft)
GW-10 (15-17 ft)
GW-11 (5-7 ft)
GW-11 (15-17 ft)
GW-12 (5-7 ft)

GW-12 (15-17 ft)
GW-13 (5-7 ft)

CCAL 06/07/05:
1,2-Dichloropropane – 25.5%
Applicable samples:
Field Blank
Trip Blank

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.

Internal standard area and retention times met QC requirements for all analysis pertaining to this SDG.

1.9 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.

Acceptable precision was observed in the analyzed MS/MSDs, as compared to the original unspiked samples.

Low level concentrations of Acetone (6 ppb) were detected in GW-2 (25-27 ft). Acetone is a common laboratory contaminant, however, was not detected in any of the laboratory QC analyses. The low level "presence" of Acetone in this field samples should be considered suspect and has been qualified, "J." The end user should use caution when making site decisions based on this compound. The level detected is less than the GW Standard of 50 ppb.

Methylene Chloride was detected in "Culvert" at 5 ppb. Reanalysis due to low BFB recovery resulted in 4 ppb in the reanalysis. This common contaminant was not detected in the associated method blank and therefore based on the data, the presence of this compound must be considered, "real."

1.10 Tentatively Identified Compounds (TICs)

TICs were reported in accordance with the project requirements. The identification must be considered tentative (both quantitative and qualitative) due to the lack of required compound specific response factors. Consequently all concentrations should be considered estimate, "J" and as a result of the qualitative uncertainty should be qualified, "N".

GC/MS "3 best match spectra" met method criteria.

Non-target compounds are presented in Appendix B of this report. The total concentrations have also been presented in Appendix A.

The majority of detected compounds can be classified as "unknown alkanes" and "substituted aromatics."

1.11 Compound Quantification and Reported Detection Limits

GC/MS quantitative analysis is considered to be acceptable. Correct internal standards per SW846, response factors and moisture content (for soils) were used to calculate final concentrations.

Aqueous samples were initially analyzed at dilutions for the majority of field samples as detailed in the NYSDEC ASP Forms in Appendix E. In cases where the target concentrations exceeded the instruments' linear calibration range of 200 ppb, a secondary diluted reanalysis within holding time was performed. Results have been hybridized in the summary tables in Appendix A to aid the end user which values should be utilized.

The appropriate dilution levels were selected by the laboratory to obtained raw target concentrations within the upper half of the instruments linear calibration range.

It should be noted that several of the initial dilutions were significant enough to dilute out any potential lower level hits for analytes not reported/detected.

Non-detect values for many compounds in the groundwater samples exceed the NYSDEC Class GA Ambient Groundwater Standards. For these samples, the presence of 1,2-Dichloroethene (total), Trichloroethene and/or Tetrachloroethene concentrations exceed cleanup standards.

Initial analysis of SB-4 (4-5 ft) resulted in 1,2-Dichloroethene (total) concentrations over the instruments linear range. A diluted run was conducted as required, however, it was calculated based on Tetrachloroethene values. The appropriate dilution was selected by the laboratory, however, 1,2-Dichloroethene was "lost" in the diluted run and therefore the initial data set must be used as an estimated value, potentially biased low.

Sample GW-13 (15-17 ft) was analyzed at a 1:10 dilution. Target analytes were determined to be within the upper half of the linear calibration range.

Instrument run logs and sequences were reviewed for carryover. All results have determined to be acceptable.

1.12 Overall System Performance

Good resolution and chromatographic performance were observed. The laboratory results are valid and useable at the concentrations submitted in Appendix A.

Reviewer's Signature _____ Date 09/18/05

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

Appendix A
Data Summary Tables
With Qualifications

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TABLE 1 - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED AND/OR ELEVATED ABOVE NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS

Rose Cleaners 500 Lexington Avenue, Mt. Kisco, NY								
SDG BER020								
Berninger Sample ID:	0505764-001	0505764-002	0505764-003	0505764-004	0505764-005	0505764-006	0505764-007	NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS GUIDANCE VALUES
Laboratory ID:	GW-1 (1-5 ft)	GW-1 (14-16 ft)	GW-1 (24-26 ft)	GW-2 (5-7 ft)	GW-2 (15-17 ft)	GW-2 (25-27 ft)	GW-3 (5-7 ft)	
Sampling Date:	NA	NA	NA	NA	NA	NA	NA	
% Moisture	5/24/2005	5/24/2005	5/24/2005	5/24/2005	5/24/2005	5/24/2005	5/24/2005	
units: ug/L								units: ug/L
Analyte								
Chloromethane	25 U	25 U	25 U	25 U	5 U	5 U	100 U	NA
Bromomethane	25 U	25 U	25 U	25 U	5 U	5 U	100 U	5
Vinyl Chloride	**6900**	**42**	**16 J**	**55**	5 U	5 U	**80 J**	2
Chloroethane	25 U	25 U	25 U	25 U	5 U	5 U	100 U	50
Methylene Chloride	25 U	25 U	25 U	25 U	5 U	5 U	**100 U**	5
Acetone	**25 UJ**	**25 UJ**	**25 UJ**	**25 UJ**	**5 UJ**	**6 J**	**100 UJ**	50
Carbon Disulfide	25 U	25 U	25 U	25 U	5 U	5 U	100 U	50
1,1-Dichloroethene	**8 J**	25 U	25 U	25 U	5 U	5 U	100 U	**5**
1,1-Dichloroethane	25 U	25 U	25 U	25 U	5 U	5 U	100 U	5
1,2-Dichloroethene (total)	**13000**	**110**	**45**	**2800**	**14**	**32**	3500	**5**
2-Butanone	25 U	25 U	25 U	25 U	5 U	5 U	100 U	50
Chloroform	25 U	25 U	25 U	25 U	5 U	**2 J**	100 U	7
1,2-Dichloroethane	25 U	25 U	25 U	25 U	5 U	5 U	100 U	5
1,1,1-Trichloroethane	25 U	25 U	25 U	25 U	5 U	5 U	100 U	5
Carbon Tetrachloride	25 U	25 U	25 U	25 U	5 U	5 U	100 U	5
Bromodichloromethane	25 U	25 U	25 U	25 U	5 U	5 U	100 U	50
1,2-Dichloropropane	25 U	25 U	25 U	25 U	5 U	5 U	100 U	1
cis-1,3-Dichloropropene	25 U	25 U	25 U	25 U	5 U	5 U	100 U	5
Trichloroethene	25 U	25 U	**25 U**	**230**	**8**	**8**	**560**	**5**
Benzene	25 U	25 U	25 U	25 U	5 U	5 U	100 U	0.7
Dibromochloromethane	25 U	25 U	25 U	25 U	5 U	5 U	100 U	NA
trans-1,3-Dichloropropene	25 U	25 U	25 U	25 U	5 U	5 U	100 U	NA
1,1,2-Trichloroethane	25 U	25 U	25 U	25 U	5 U	5 U	100 U	5
Bromoform	25 U	25 U	25 U	25 U	5 U	5 U	100 U	50
4-Methyl-2-Pentanone	25 U	25 U	25 U	25 U	5 U	5 U	100 U	50
2-Hexanone	**14 J**	**14000**	**2300**	**1200**	**140**	**220**	**1500**	**5**
Tetrachloroethene	25 U	25 U	25 U	25 U	5 U	5 U	100 U	5
1,1,2,2-Tetrachloroethane	25 U	25 U	25 U	25 U	5 U	5 U	100 U	5
Toluene	25 U	25 U	25 U	25 U	5 U	5 U	100 U	5
Chlorobenzene	**6 J**	25 U	25 U	25 U	5 U	5 U	100 U	**5**
Ethylbenzene	25 U	25 U	25 U	25 U	5 U	5 U	100 U	5
Styrene	**8 J**	25 U	25 U	25 U	5 U	5 U	100 U	5
Xylene (total)	**19936**	**14152**	**2361**	**4315**	**162**	**268**	**5540**	
TOTAL VOCS	**87**	ND	ND	ND	ND	ND	ND	
TOTAL TENTATIVELY IDENTIFIED CMPDS								NA = Not Applicable
								ND=None Detected

TABLE 1 - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED AND/OR ELEVATED ABOVE NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS

Rose Cleaners 500 Lexington Avenue, Mt. Kisco, NY								
SDG BER020								NYSDEC CLASS GA
Berninger Sample ID:	0505764-008	0505764-009	0505764-010	0505764-011	0505764-012	0505764-013	0505764-014	AMBIENT WATER
Laboratory ID:	GW-3 (15-17 ft)	GW-4 (5-7 ft)	GW-4 (15-17 ft)	GW-4 (25-27 ft)	GW-5 (5-7 ft)	GW-5 (15-17 ft)	GW-5 (25-27 ft)	QUALITY STANDARDS
Sampling Date:	NA	NA	NA	NA	NA	NA	NA	GUIDANCE VALUES
% Moisture	5/24/2005	5/24/2005	5/24/2005	5/24/2005	5/25/2005	5/25/2005	5/25/2005	units: ug/L
units: ug/L								
Analyte								
Chloromethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	NA
Bromomethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Vinyl Chloride	12 U	400	250 U	250 U	1200 U	1200 U	1200 U	2
Chloroethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	50
Methylene Chloride	12 U	250 U	250 U	250 U	**1200 U**	**1200 U**	**1200 U**	5
Acetone	12 U	**250 UJ**	**250 UJ**	**250 UJ**	**1200 UJ**	**1200 UJ**	**1200 UJ**	50
Carbon Disulfide	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	50
1,1-Dichloroethene	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
1,1-Dichloroethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
1,2-Dichloroethene (total)	55	**11000**	**480**	**440**	1200 U	**1100 J**	**660 J**	5
2-Butanone	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	50
Chloroform	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	7
1,2-Dichloroethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
1,1,1-Trichloroethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Carbon Tetrachloride	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Bromodichloromethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	50
1,2-Dichloropropane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	1
cis-1,3-Dichloropropene	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Trichloroethene	20	**10000**	**590**	**430**	**1200 U**	**2200**	**1800**	5
Benzene	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	0.7
Dibromochloromethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	NA
trans-1,3-Dichloropropene	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	NA
1,1,2-Trichloroethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Bromoform	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	50
4-Methyl-2-Pentanone	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	50
2-Hexanone	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	50
Tetrachloroethene	150	**55000**	**57000**	**12000**	**240000**	**300000**	**300000**	5
1,1,2,2-Tetrachloroethane	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Toluene	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Chlorobenzene	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Ethylbenzene	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Styrene	12 U	250 U	250 U	250 U	1200 U	1200 U	1200 U	5
Xylene (total)	225	**76400**	**58070**	**12870**	**240000**	**303300**	**302460**	
TOTAL VOCS	37	ND	ND	ND	ND	ND	ND	NA = Not Applicable
TOTAL TENTATIVELY IDENTIFIED CMPDS								ND=None Detected

TABLE 1 - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED AND/OR ELEVATED ABOVE NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS

Rose Cleaners 500 Lexington Avenue, Mt. Kisco, NY

SDG BER020 Berninger Sample ID: Laboratory ID: Sampling Date: % Moisture units: ug/L	0505764-015 GW-6 (5-7 ft) NA 5/25/2005	0505764-016 GW-6 (15-17 ft) NA 5/25/2005	0505764-017 GW-6 (25-27 ft) NA 5/25/2005	0505764-018 GW-7 (5-7 ft) NA 5/25/2005	0505764-019 GW-7 (15-17 ft) NA 5/25/2005	0505764-020 GW-7 (25-27 ft) NA 5/25/2005	0505764-021 Trip Blank 5/24 NA 5/24/2005	0505764-022 Trip Blank 5/25 NA 5/25/2005	NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS GUIDANCE VALUES units: ug/L
Analyte									
Chloromethane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	NA
Bromomethane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Vinyl Chloride	6 J	100 U	100 U	100 U	26	8 J	5 U	5 U	2
Chloroethane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	50
Methylene Chloride	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Acetone	25 UJ	100 UJ	100 UJ	100 UJ	25 UJ	25 UJ	5 U	5 U	50
Carbon Disulfide	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	50
1,1-Dichloroethene	25 U	100 U	100 U	100 U	11 J	36	5 U	5 U	5
1,1-Dichloroethane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
1,2-Dichloroethene (total)	360	22 J	34 J	81 J	360	160	5 U	5 U	5
2-Butanone	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	50
Chloroform	25 U	100 U	100 U	100 U	25 U	7 J	5 U	5 U	7
1,2-Dichloroethane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
1,1,1-Trichloroethane	25 U	100 U	100 U	100 U	25 U	6 J	5 U	5 U	5
Carbon Tetrachloride	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Bromodichloromethane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	50
1,2-Dichloropropane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	1
cis-1,3-Dichloropropene	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Trichloroethene	860	50 J	48 J	32 J	480	420	5 U	5 U	5
Benzene	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	0.7
Dibromochloromethane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	NA
trans-1,3-Dichloropropene	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	NA
1,1,2-Trichloroethane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Bromoform	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	50
4-Methyl-2-Pentanone	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	50
2-Hexanone	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	50
Tetrachloroethene	34000	2500	1400	1200	150000	140000	5 U	5 U	5
1,1,2,2-Tetrachloroethane	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Toluene	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Chlorobenzene	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Ethylbenzene	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Styrene	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
Xylene (total)	25 U	100 U	100 U	100 U	25 U	25 U	5 U	5 U	5
TOTAL VOCS	**35226**	**2572**	**1482**	**1313**	**150877**	**140637**	**ND**	**ND**	
TOTAL TENTATIVELY IDENTIFIED CMPDS	ND	ND	ND	ND	ND	ND	ND	ND	NA = Not Applicable ND=None Detected

TABLE 1 - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED AND/OR ELEVATED ABOVE NYSDEC SOIL CLEANUP OBJECTIVES

Rose Cleaners 500 Lexington Avenue, Mt. Kisco, NY									
SDG BER019, BER 021									
Berninger Sample ID:	SB-1 (3-4 ft)	SB-2 (5-6 ft)	SB-3 (4-5 ft)	SB-4 (4-5 ft)	SB-5 (3-4 ft)	SB-6 (3-4 ft)	SB-8 (6"-8")	Field Blank 5/24	NYSDEC TAGM
Laboratory ID:	0505763-001	0505763-002	0505763-003	0505763-004	0505763-005	0505763-006	0505763-007	0505763-008	RECOMMENDED
Sampling Date:	5/24/2005	5/24/2005	5/24/2005	5/24/2005	5/25/2005	5/25/2005	5/25/2005	5/24/2005	SOIL CLEANUP
% Moisture	32	21.9	37.4	36.7	25.2	26.5	2.6	NA	OBJECTIVES
units: ug/kg (dry wt)									
Analyte									
Chloromethane	15 U	13 U	15 U	160 U	130 U	14 U	10 U	5 U	NA
Bromomethane	15 U	13 U	15 U	160 U	130 U	14 U	10 U	5 U	NA
Vinyl Chloride	15 U	13 U	15 U	160 U	130 U	14 U	10 U	5 U	200
Chloroethane	15 U	13 U	15 U	160 U	130 U	14 U	10 U	5 U	1,900
Methylene Chloride	15 UJ	13 UJ	15 UJ	160 UJ	130 UJ	14 UJ	10 UJ	5 UJ	100
Acetone	72	51	16 U	370	130 U	14 U	10 U	5 U	200
Carbon Disulfide	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	2,700
1,1-Dichloroethene	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	100
1,1-Dichloroethane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	200
1,2-Dichloroethene (total)	260	170	160	7800 J	130 U	12 J	6 J	5 U	300
2-Butanone	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	300
Chloroform	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	300
1,2-Dichloroethane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	100
1,1,1-Trichloroethane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	800
Carbon Tetrachloride	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	600
Bromodichloromethane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	NA
1,2-Dichloropropane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	NA
cis-1,3-Dichloropropene	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	NA
Trichloroethene	26	11 J	280	75000	44 J	10 J	13	5 U	700
Benzene	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	60
Dibromochloromethane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	300
trans-1,3-Dichloropropene	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	NA
1,1,2-Trichloroethane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	NA
Bromoform	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	NA
4-Methyl-2-Pentanone	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	1,000
2-Hexanone	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	NA
Tetrachloroethene	270	110	34000	1600000	51000	15000	4300	5 U	1,400
1,1,2,2-Tetrachloroethane	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	600
Toluene	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	1,500
Chlorobenzene	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	1,700
Ethylbenzene	15 U	6 J	16 U	160 U	130 U	14 U	10 U	5 U	5,500
Styrene	15 U	13 U	16 U	160 U	130 U	14 U	10 U	5 U	1,200
Xylene (total)	15 U	49	16 U	160 U	130 U	14 U	10 U	5 U	NA
TOTAL VOCS	628	400	34460	1683170	51044	15022	4319	ND	10,000
TOTAL TENTATIVELY IDENTIFIED CMPDS	ND	4220	18	272	ND	29	52	ND	

NA=Not Applicable
ND=None Detected

TABLE 1 - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED AND/OR ELEVATED ABOVE NYSDEC SOIL CLEANUP OBJECTIVES

Rose Cleaners 500 Lexington Avenue, Mt. Kisco, NY									
SDG BER019, BER 021									
Barringer Sample ID:	SB-9 (3-4 ft)	SB-10 (3-4 ft)	SB-11 (0.5-1 ft)	SB-12 (3-4 ft)	SB-13 (0-3 ft)	SED-1 (0-6")	SED-2 (0-6")	SED-3 (0-6")	NYSDEC TAGM
Laboratory ID:	0506059-001	0506059-002	0506059-003	0506059-004	0506059-005	0506059-006	0506059-007	0506059-008	RECOMMENDED
Sampling Date:	6/1/2005	6/1/2005	6/1/2005	6/1/2005	6/1/2005	6/1/2005	6/1/2005	6/1/2005	SOIL CLEANUP
% Moisture	17.2	21.5	6	22.8	12	74.9	82.5	74.1	OBJECTIVES
units: ug/kg (dry wt)									
Analyte									
Chloromethane	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	NA
Bromomethane	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	NA
Vinyl Chloride	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	200
Chloroethane	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	1,900
Methylene Chloride	12 UJ	13 UJ	11 UJ	13 UJ	11 UJ	42 UJ	57 UJ	39 UJ	100
Acetone	12 U	13 U	11 U	13 U	11 U	580	57 U	39 U	200
Carbon Disulfide	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	2,700
1,1-Dichloroethene	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	400
1,1-Dichloroethane	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	200
1,2-Dichloroethene (total)	12 U	14	11 U	21	11 U	40 U	57 U	39 U	300
2-Butanone	12 U	13 U	11 U	13 U	11 U	76	57 U	100	300
Chloroform	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	300
1,2-Dichloroethane	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	100
1,1,1-Trichloroethane	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	800
Carbon Tetrachloride	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	600
Bromodichloromethane	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	NA
1,2-Dichloropropane	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	NA
cis-1,3-Dichloropropene	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	NA
Trichloroethene	12 U	46	11 U	22	11 U	40 U	57 U	39 U	700
Benzene	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	60
Dibromochloromethane	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	300
trans-1,3-Dichloropropene	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	NA
1,1,2-Trichloroethane	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	NA
Bromoform	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	NA
4-Methyl-2-Pentanone	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	1,000
2-Hexanone	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	NA
Tetrachloroethene	12 U	15000	11 U	740	11 U	40 U	57 U	39 U	1,400
1,1,2,2-Tetrachloroethane	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	600
Toluene	12 U	13 U	11 U	13 U	11 U	8 J	57 U	27 J	1,500
Chlorobenzene	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	1,700
Ethylbenzene	12 U	13 U	11 U	12 U	11 U	40 U	57 U	39 U	5,500
Styrene	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	1,200
Xylene (total)	12 U	13 U	11 U	13 U	11 U	40 U	57 U	39 U	NA
TOTAL VOCS	ND	15060	ND	783	ND	664	ND	127	10,000
TOTAL TENTATIVELY IDENTIFIED	ND	ND	ND	ND	ND	666	1429	1726	

NA=Not Applicable
ND=None Detected

TABLE 1 - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED AND/OR ELEVATED ABOVE NYSDEC SOIL CLEANUP OBJECTIVES

Rose Cleaners 500 Lexington Avenue, Mt. Kisco, NY			
SDG BER019, BER 021			
Berninger Sample ID:	SED-4 (0-6")	SED-5 (0-6")	NYSDEC TAGM
Laboratory ID:	0506059-009	0506059-010	RECOMMENDED
Sampling Date:	6/1/2005	6/1/2005	SOIL CLEANUP
% Moisture	61.2	13.6	OBJECTIVES
units: ug/kg (dry wt)			
Analyte			
Chloromethane	25 U	12 U	NA
Bromomethane	25 U	12 U	NA
Vinyl Chloride	25 U	12 U	200
Chloroethane	25 U	12 U	1,900
Methylene Chloride	25 UJ	12 UJ	100
Acetone	25 U	12 U	200
Carbon Disulfide	25 U	12 U	2,700
1,1-Dichloroethene	25 U	12 U	400
1,1-Dichloroethane	25 U	12 U	200
1,2-Dichloroethene (total)	81	4 J	300
2-Butanone	25 U	12 U	300
Chloroform	25 U	12 U	300
1,2-Dichloroethane	25 U	12 U	100
1,1,1-Trichloroethane	25 U	12 U	800
Carbon Tetrachloride	25 U	12 U	600
Bromodichloromethane	25 U	12 U	NA
1,2-Dichloropropane	25 U	12 U	NA
cis-1,3-Dichloropropene	25 U	12 U	NA
Trichloroethene	5 J	5 J	700
Benzene	25 U	12 U	60
Dibromochloromethane	25 U	12 U	300
trans-1,3-Dichloropropene	25 U	12 U	NA
1,1,2-Trichloroethane	25 U	12 U	NA
Bromoform	25 U	12 U	NA
4-Methyl-2-Pentanone	25 U	12 U	1,000
2-Hexanone	25 U	12 U	NA
Tetrachloroethene	25 U	43	1,400
1,1,2,2-Tetrachloroethane	25 U	12 U	600
Toluene	25 U	12 U	1,500
Chlorobenzene	25 U	12 U	1,700
Ethylbenzene	25 U	12 U	5,500
Styrene	25 U	12 U	1,200
Xylene (total)	25 U	12 U	NA
TOTAL VOCS	86	52	10,000
TOTAL TENTATIVELY IDENTIFIED CMPDS	120	36	

NA=Not Applicable
ND=None Detected

TABLE 1 - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED AND/OR ELEVATED ABOVE NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS

Rose Cleaners 500 Lexington Avenue, Mt. Kisco, NY								
SDG BER022								
Berninger Sample ID:	GW-9 (5-7 FT.)	GW-9 (15-17 ft.)	GW-10 (5-7 ft.)	GW-10 (15-17 ft.)	GW-11 (5-7 ft.))	GW-11 (15-17 ft.)	GW-12 (5-7 ft.)	NYSDEC CLASS GA
Laboratory ID:	0506066-001	0506066-002	0506066-003	0506066-004	0506066-005	0506066-006	0506066-007	AMBIENT WATER
Sampling Date:	6/1/2005	6/1/2005	6/1/2005	6/1/2005	6/1/2005	6/1/2005	6/1/2005	QUALITY STANDARDS
% Moisture	NA	NA	NA	NA	NA	NA	NA	GUIDANCE VALUES
units: ug/L								units: ug/L
Analyte								
Chloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
Bromomethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Vinyl Chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	2
Chloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	50
Methylene Chloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Acetone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	50
Carbon Disulfide	5 U	5 U	5 U	5 U	5 U	5 U	5 U	60
1,1-Dichloroethene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
1,1-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
1,2-Dichloroethene (total)	5 U	5 U	15	7	2 J	3 J	220	5
2-Butanone	5 U	5 U	5 U	5 U	5 U	5 U	5 U	50
Chloroform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	7
1,2-Dichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
1,1,1-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Carbon Tetrachloride	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Bromodichloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	50
1,2-Dichloropropane	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	1
cis 1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Trichloroethene	5 UJ	5 UJ	47 J	17 J	4 J	3 J	1200 J	5
Benzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.7
Dibromochloromethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
trans 1,3-Dichloropropene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	NA
1,1,2-Trichloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Bromoform	5 U	5 U	5 U	5 U	5 U	5 U	5 U	50
4-Methyl-2-Pentanone	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	50
2-Hexanone	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	50
Tetrachloroethene	2 J	2 J	380	120	26	17	5800	5
1,1,2,2-Tetrachloroethane	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Toluene	5 U	5 U	5 U	5 U	1 J	5 U	5 U	5
Chlorobenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Ethylbenzene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Styrene	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
Xylene (total)	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5
TOTAL VOCS	2	2	442	144	32	24	7220	
TOTAL TENTATIVELY IDENTIFIED CMPDS	16	33	ND	21	5	8	18	NA = Not Applicable ND=None Detected

TABLE 1 - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED AND/OR ELEVATED ABOVE NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS

Rose Cleaners 500 Lexington Avenue, Mt. Kisco, NY								
SDG BER022								
Berninger Sample ID:	GW-12 (15-17 ft.)	GW-13 (5-7 ft.)	GW-13 (15-17 ft.)	Culvert	SW-1 (0-1 ft.)	SW-2 (0-0.5 ft.)	Field Blank	NYSDEC CLASS GA
Laboratory ID:	0506066-008	0506066-009	0506066-010	0506066-011	0506066-012	0506066-013	0506066-014	AMBIENT WATER
Sampling Date:	6/1/2005	6/1/2005	6/1/2005	6/1/2005	6/1/2005	6/1/2005	6/1/2005	QUALITY STANDARDS
% Moisture	NA	NA	NA	NA	NA	NA	NA	GUIDANCE VALUES
units: ug/L								units: ug/L
Analyte								
Chloromethane	5 U	5 U	50 U	5 U	5 U	5 U	5 U	NA
Bromomethane	5 U	5 U	50 U	5 U	5 U	5 U	5 U	5
Vinyl Chloride	5 U	5 U	50 U	3 U	5 U	5 U	5 U	2
Chloroethane	5 U	5 U	50 U	4 U	5 U	5 U	5 U	50
Methylene Chloride	5 U	5 U	50 U	5	5 U	5 U	5 U	**5**
Acetone	5 U	5 U	50 U	5 U	5 U	5 U	5 U	50
Carbon Disulfide	5 U	5 U	50 U	5 U	5 U	5 U	5 U	50
1,1-Dichloroethene	5 U	5 U	50 U	5 U	5 U	5 U	5 U	5
1,1-Dichloroethane	5 U	5 U	50 U	5 U	5 U	5 U	5 U	5
1,2-Dichloroethene (total)	**120**	**210**	**330**	5 U	5 U	1 J	5 U	**5**
2-Butanone	5 U	5 U	50 U	29	5 U	5 U	5 U	50
Chloroform	5 U	5 U	50 U	**10**	5 U	5 U	5 U	7
1,2-Dichloroethane	5 U	5 U	50 U	5 U	5 U	5 U	5 U	5
1,1,1-Trichloroethane	5 U	5 U	50 U	5 U	5 U	5 U	5 U	5
Carbon Tetrachloride	5 U	5 U	50 U	5 U	5 U	5 U	5 U	5
Bromodichloromethane	5 U	5 U	50 U	5 U	5 U	5 U	5 U	50
1,2-Dichloropropane	**5 UJ**	**5 UJ**	**50 UJ**	**5 UJ**	**5 UJ**	**5 UJ**	**5 UJ**	1
cis-1,3-Dichloropropene	5 U	5 U	50 U	5 U	5 U	5 U	5 U	5
Trichloroethene	**910 J**	**640 J**	**560 J**	**5 UJ**	**5 UJ**	**2 J**	5 U	**5**
Benzene	5 U	5 U	50 U	5 U	5 U	5 U	5 U	0.7
Dibromochloromethane	5 U	5 U	50 U	5 U	5 U	5 U	5 U	NA
trans-1,3-Dichloropropene	5 U	5 U	50 U	5 U	5 U	5 U	5 U	NA
1,1,2-Trichloroethane	5 U	5 U	50 U	5 U	5 U	5 U	5 U	5
Bromoform	5 U	5 U	50 U	5 U	5 U	5 U	5 U	50
4-Methyl-2-Pentanone	**5 UJ**	**5 UJ**	**50 UJ**	**2 J**	**5 UJ**	**5 UJ**	5 U	50
2-Hexanone	**5 UJ**	**5 UJ**	**50 UJ**	**5 UJ**	**5 UJ**	**5 UJ**	5 U	50
Tetrachloroethene	**5400**	**3500**	**1900**	5 U	5 U	**11**	5 U	**5**
1,1,2,2-Tetrachloroethane	5 U	5 U	50 U	5 U	5 U	5 U	5 U	5
Toluene	5 U	5 U	50 U	5 U	5 U	5 U	5 U	5
Chlorobenzene	5 U	5 U	50 U	5 U	5 U	5 U	5 U	5
Ethylbenzene	5 U	5 U	50 U	5 U	5 U	5 U	5 U	5
Styrene	5 U	5 U	50 U	5 U	5 U	5 U	5 U	5
Xylene (total)	**6430**	**4350**	**2790**	**46**	**0**	**17**	**0**	
TOTAL VOCS	**31**	**24**	**ND**	**294**	**ND**	**ND**	**ND**	NA = Not Applicable
TOTAL TENTATIVELY IDENTIFIED CMPDS								ND=None Detected

TABLE 1 - SUMMARY OF VOLATILE ORGANIC COMPOUNDS DETECTED AND/OR ELEVATED ABOVE NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS

Rose Cleaners 500 Lexington Avenue, Mt. Kisco, NY

SDG BER022		
Berninger Sample ID:	Trip Blank	NYSDEC CLASS GA AMBIENT WATER QUALITY STANDARDS GUIDANCE VALUES
Laboratory ID:	0506066-015	
Sampling Date:	6/1/2005	
% Moisture	NA	
units: ug/L		units: ug/L
Analyte		
Chloromethane	5 U	NA
Bromomethane	5 U	5
Vinyl Chloride	5 U	2
Chloroethane	5 U	50
Methylene Chloride	5 U	5
Acetone	5 U	50
Carbon Disulfide	5 U	50
1,1-Dichloroethene	5 U	**5**
1,1-Dichloroethane	5 U	5
1,2-Dichloroethene (total)	5 U	**5**
2-Butanone	5 U	50
Chloroform	5 U	**7**
1,2-Dichloroethane	5 U	5
1,1,1-Trichloroethane	5 U	5
Carbon Tetrachloride	5 U	5
Bromodichloromethane	5 U	50
1,2-Dichloropropane	5 UJ	1
cis-1,3-Dichloropropene	5 U	5
Trichloroethene	5 U	5
Benzene	5 U	0.7
Dibromochloromethane	5 U	NA
trans-1,3-Dichloropropene	5 U	NA
1,1,2-Trichloroethane	5 U	5
Bromoform	5 U	50
4-Methyl-2-Pentanone	5 U	50
2-Hexanone	5 U	50
Tetrachloroethene	5 U	**5**
1,1,2,2-Tetrachloroethene	5 U	5
Toluene	5 U	5
Chlorobenzene	5 U	5
Ethylbenzene	5 U	5
Styrene	5 U	5
Xylene (total)	5 U	5
TOTAL VOCS	**0**	
TOTAL TENTATIVELY IDENTIFIED CMPDS	**ND**	

NA = Not Applicable
ND=None Detected

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

Appendix B
Tentatively Identified Components (VOA GC/MS)

Phone/Fax (631) 757-0467 email LABValidation@aol.com

1F

EPA SAMPLE NO.

SB-1 (3-4 FT)

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-001A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28872.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. 32 Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-2 (5-6 FT)

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-002A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28873.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. 21.9 Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

Number TICs found: 10 (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		straight-chain alkane (13.86)	13.86	420	J
2.		branched alkane (14.66)	14.66	330	J
3.		branched alkane (15.09)	15.09	380	J
4.		straight-chain alkane (15.55)	15.55	1000	J
5.		branched alkane (15.86)	15.86	300	J
6.		c3-subs_benzene (16.57)	16.57	550	J
7.		straight-chain alkane (17.12)	17.12	320	J
8.		c3-subs_benzene (17.26)	17.26	350	J
9.		c4-subs_benzene	17.42	270	J
10.		unknown aromatic	17.72	300	J

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-3 (4-5 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-003A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28871.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. 37.4 Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (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/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown	14.93	10	J
2.		straight-chain alkane	15.56	8	J

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-4 (4-5 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-004A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28876.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. 36.7 Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 10.00

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

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

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		straight-chain alkane	17.12	100	J
2.		unknown aromatic	17.74	90	J
3.		c4-subs_benzene	18.08	82	J

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB-5 (3-4 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-005A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28877.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. 25.2 Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 10.00

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

Number TICs found: 3 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB-6 (3-4 FT)

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-006A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28874.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. 26.5 Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

Number TICs found: 3 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown	14.95	8	J
2.		straight-chain alkane	15.58	14	J
3.		c3-subs_benzene	16.59	7	J

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-8 (6"-8")

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-007A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28875.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. 2.6 Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (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/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		branched alkane (13.88)	13.88	12	J
2.	007146-60-3	Octane, 2,3-dimethyl-	14.68	7	JN
3.		branched alkane (14.93)	14.93	13	J
4.		branched alkane (15.58)	15.58	10	J
5.		cyclic alkane	16.68	10	J

1F

EPA SAMPLE NO.

FIELD BLANK 5/24

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) WATER Lab Sample ID: 0505763-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41924.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW1(4-6FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41865.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 5.00

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.		c3-subs_benzene (18.54)	18.54	49	J
2.		c3-subs_benzene (19.07)	19.07	38	J

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW1(14-16FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41866.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 5.00

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW1(24-26FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41867.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 5.00

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW2(5-7FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41868.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 5.00

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW2(15-17FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41876.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW2(25-27FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41885.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (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

1F

EPA SAMPLE NO.

GW3(5-7FT)

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41884.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 20.00

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW3(15-17FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41904.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 2.50

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-	8.51	37	JN

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW4(5-7FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-009A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41880.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 50.00

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW4(15-17FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-010A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41859.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 50.00

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

BER020 S44

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW4(25-27FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-011A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41860.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 50.00

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW5(5-7FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-012A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41861.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 250.00

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW5(15-17FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-013A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41862.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 250.00

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW5(25-27FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-014A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41863.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 250.00

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

BER020 S60

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW6(5-7FT)

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-015A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41881.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 5.00

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW6(15-17FT)

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-016A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41886.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 20.00

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW6(25-27FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-017A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41887.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 20.00

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

BER020 S70

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW7(5-7FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-018A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41888.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 20.00

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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW7(15-17FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-019A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41889.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 5.00

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

BER020 S76

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW7(25-27FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-020A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41890.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 5.00

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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
TRIPBLANK 5/24

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-021A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41922.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIPBLANK 5/25

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-022A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41923.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB-9 (3-4 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-001A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28980.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 17.2 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB-10 (3-4 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-002A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28981.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 21.5 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB-11 (0.5-1 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-003A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28982.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 6 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

BER021 S22

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SB-12 (3-4 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-004A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28983.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 22.8 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-13 (0-3 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-005A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28984.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 12 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1F

EPA SAMPLE NO.

SED-1 (0-6")

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-006A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28977.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 74.9 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000075-18-3	Dimethyl sulfide	6.59	240	JN
2.	007785-70-8	1R-_alpha_-Pinene	15.17	130	JN
3.		c3-subs_benzene	15.77	47	J
4.	018172-67-3	Bicyclo(3_1_1)heptane, 6,6-dimethyl	16.16	89	JN
5.	000138-86-3	Limonene	16.85	160	JN

1F

EPA SAMPLE NO.

SED-2 (0-6")

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-007A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28985.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 82.5 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1	000075-18-3	Dimethyl sulfide	6.59	1400	JN
2	007785-70-8	1R-_alpha_-Pinene	15.16	29	JN

1F

EPA SAMPLE NO.

SED-3 (0-6")

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-008A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28986.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 74.1 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

Number TICs found: 4 (µg/L or µg/Kg) UG/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000075-18-3	Dimethyl sulfide	6.58	1600	JN
2.	007785-70-8	1R-_alpha_-Pinene	15.16	33	JN
3.		cyclic alkane	16.81	44	J
4.		c4-subs_benzene	16.92	49	J

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SED-4 (0-6")

Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-009A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28987.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 61.2 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000075-18-3	Dimethyl sulfide	6.59	120	JN

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SED-5 (0-6")

Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-010A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28988.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 13.6 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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/KG

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	000075-18-3	Dimethyl sulfide	6.60	36	JN
2.		unknown	19.31	7	JX

R

8/14/05

FORM I VOA-TIC OLM04.2

BER021 S40

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW-9 (5-7 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41955.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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-	8.20	16	JN

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW-9 (15-17 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41954.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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	4.44	7	J
2	001634-04-4	Propane, 2-methoxy-2-methyl-	8.14	26	JN

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW-10 (5-7 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41956.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW-10 (15-17 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41957.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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	4.47	15	J
2.	001634-04-4	Propane, 2-methoxy-2-methyl-	8.14	6	JN

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW-11 (5-7 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41958.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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-	8.18	5	JN

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW-11 (15-17 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41959.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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	4.45	8	J

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW-12 (5-7 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41960.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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-	8.16	18	JN

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW-12 (15-17 FT)

Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41963.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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	4.48	16	J
2.	001634-04-4	Propane, 2-methoxy-2-methyl-	8.19	15	JN

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW-13 (5-7 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-009A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41964.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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-	8.22	24	JN

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW-13 (15-17 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-010A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41977.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 10.00

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

1F

EPA SAMPLE NO.

CULVERT

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-011A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41951.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

Number TICs found: 13 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown (3.95)	3.95	44	J
2.		unknown (5.93)	5.93	7	J
3.		straight-chain alkane (6.28)	6.28	29	J
4.		unknown (7.22)	7.22	6	J
5.		unknown (7.65)	7.65	8	J
6.		unknown aldehyde (11.17)	11.17	6	J
7.		straight-chain alkane (12.33)	12.33	40	J
8.		unknown aldehyde (13.46)	13.46	52	J
9.		pinene(isomer) (17.24)	17.24	9	J
10.	003777-69-3	Furan, 2-pentyl-	18.18	7	JN
11.		carene(isomer)(18.55)	18.55	12	J
12.		limonene(isomer) (18.79)	18.79	69	J
13.		straight-chain alkane(19.06)	19.06	5	J

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SW-1 (0-1 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-012A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41952.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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

1F

EPA SAMPLE NO.

SW-2 (0-0.5 FT)

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-013A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41953.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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

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.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-014A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41980.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
TRIP BLANK

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-015A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41981.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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

Appendix C
Chain of Custody

2[illegible] LABS, INC.

1542

EXTERNAL CHAIN OF CUSTODY

PO # 5051379

[illegible]road Hollow Rd, Melville, NY 11747-5076
516) 694-3040 Fax: (516) 420-8436

CLIENT: BERNINGER Environmental H2M SDG NO: 020

ECT NAME/NUMBER
Jose Cleaners
300 Lexington Ave
Mt. Kisco, NY

LERS: (signature)/Client
Jill Hmiro

ERABLES:
NYSDEC ASP Cat B

AROUND TIME: 21 Days

NOTES:
Water
TCL VOAs
$260 TAT

Project Contact:
Jill H.

Phone Number:
516 647-4211

PO#044BERO5

TIME	MATRIX	FIELD I.D.	Total No. of Containers	Sample Container Description: 40 ml vial-HCl	ANALYSIS REQUESTED ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
10[illegible]	L	GW-1 4-6 ft	2	2						0505764-001	
103[illegible]	L	GW-1 14-16 ft	2	2						002	
11[illegible]	L	GW-1 24-26 ft	6	6						003	MS/MSD
—	L	TRIP BLANK	2	2						021	TRIP BLANK
12[illegible]	L	GW-2 5-7 ft	2	2						004	
123[illegible]	L	GW-2 15-17 ft	2	2						005	
130[illegible]	L	GW-2 25-27 ft	2	2						006	
140[illegible]	L	GW-3 5-7 ft	2	2						007	
142[illegible]	L	GW-3 15-17 ft	2	2						008	
143[illegible]	L	GW-4 5-7 ft	2	2						009	[illegible]
144[illegible]	L	GW-4 15-17 ft	2	2						010	TRIP BLANK

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Peter Daniels	5/24/05	1:37	Christine Lucia VOA	5/24/05	1:37 PM
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
3. Received in good condition: Y or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

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

3ER020-AD

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

21 LABS, INC.

1542

EXTERNAL CHAIN OF CUSTODY

Broad Hollow Rd, Melville, NY 11747-5076
(516) 694-3040 Fax: (516) 420-8436

PO# SDS1379

CLIENT: BERNINGER Environmental SDG NO: 020

PROJECT NAME/NUMBER: Rose Cleaners, 500 Lexington Ave, Mt. Kisco NY

SAMPLERS: (signature)/Client: Jill Hitmson

DELIVERABLES: NYSDEC ASP B

TURNAROUND TIME: 21 DAYS

NOTES: Water; TCL VOAs; 8260 TICs; PIS# 04YBEROS

Project Contact: Jill H.

Phone Number: 516 647-4211

TIME	MATRIX	FIELD I.D.	Total No. of Containers	Sample Container Description: 40 ml vial-HCl	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
1450	L	GW-4 25-27 Ft	2	2						0505764-011	
900	L	GW-5 5-7 Ft	2	2						012	
910	L	GW-5 15-17 Ft	2	2						013	
920	L	GW-5 25-27 Ft	2	2						014	
1011	L	GW-6 5-7 Ft	2	2						015	
1035	L	GW-6 15-17 Ft	2	2						016	
1050	L	GW-6 25-27 Ft	2	2						017	
1200	L	GW-7 5-7 Ft	2	2						018	
1210	L	GW-7 15-17 Ft	2	2						019	
1245	L	GW-7 25-27 Ft	2	2						020	
—	L	TRIP BLANK	2	2						TRIP BLANK	022

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Peter Dannich	5/26/05	1:37		5/26/05	1:37PM
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
3. Received in good condition: Y or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

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

H2M LABS, INC.

BERO20

Sample Receipt Checklist

Client Name BER

Date and Time Receive 5/26/2005

Work Order Numbe 0505764

Received by LSD

Checklist completed b _____ Signature 5/26/05 Date

Reviewed by JA Initials 5/27/05 Date

Matrix

Carrier name Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Applicable ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Applicable ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
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 ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
ample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
samples received within holding time?	Yes ☑	No ☐	
ontainer/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑ (2)	No ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	5/26/05

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted Bernunger Date contacted: 5/26/05 1600 Person contacted Jill Hanson

Contacted by: _____ Regarding _____

Comments: (1) NO FB collected. (2) The following vials contain headspace:

GW-2 (25-27') - 2 vials (5+10 preas)
GW-3 (5-7') - 1 vial (1 Pres)
GW-3 (15-17') - 2 vials (10 preas - 10)
GW-4 (5-7') - 2 vials (1+1 preas)
GW-4 (15-17') - 1 vial (1 pres)
GW-5 (25-27') - 1 vial
GW-6 (25-27') - 2 vials (1+1 preas)
GW-7 (5-7') - 2 vials (1+1 preas)
GW-7 (25-27') - 2 vials (1+1 preas)

Corrective Action Per Jill Hanson, please analyze the samples w/headspace in both vials. There was not headspace at time of collection.
No FB required for tccs

BERO20 AFI

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: BER DELIVERABLES: BS-20-D TURN AROUND TIME: 21 Days

SDG #: BER020 CASE #: MATRIX: GW pH CHECK Y or (N)

REMARKS: 04BER05 *expect High VOCs

RECEIVED BY: USD SIGNATURE: DATE: 5/26/05 TIME: 1337

CLIENT ID	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
GW-1 (4-6 FT)	050574A-001A	5.24	DH	2	ASPB5826D_W + TICS
" (14-16 FT)	002A	"	"	2	"
" (24-26 FT)	003A	"	"	6	"
GW-2 (5-7 FT)	004A	"	"	2	"
" (15-17 FT)	005A	"	"	"	"
" (25-27 FT)	006A	"	"	"	"
GW-3 (5-7 FT)	007A	"	"	"	"
" (15-17 FT)	008A	"	"	"	"
GW-4 (5-7 FT)	009A	"	"	"	"
" (15-17 FT)	010A	"	"	"	"
" (25-27 FT)	011A	"	"	"	"
GW-5 (5-7 FT)	012A	5.25	"	"	"
" (15-17 FT)	013A	"	"	"	"
" (25-27 FT)	014A	"	"	"	"
GW-6 (5-7 FT)	015A	"	"	"	"
" (15-17 FT)	016A	"	"	"	"
" (25-27 FT)	017A	"	"	"	"
GW-7 (5-7 FT)	018A	"	"	"	"
" (15-17 FT)	019A	"	"	"	"
" (25-27 FT)	020A	"	"	"	"
TripBlank 5/24	021A	5.24	"	"	"
TripBlank 5/25	022A	5.25	"	"	"

VOLATILE

* ↓

BER020 A12

H2M LABS, INC.

CLIENT: BER

SDG #: BER020

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT
5/4/05	1630	SIGN	SIGN	DH	Analysis	
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
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		SIGN	SIGN			

VOLATILE

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (516) 694-3040 Fax: (516) 420-8436

1542

EXTERNAL CHAIN OF CUSTODY

PO# 5051379

CLIENT: BERNINGER Environmental SDG NO: 019

PROJECT NAME/NUMBER
Rose Cleaners
300 Lexington Ave
Mt. Kisco, NY

SAMPLERS: (signature)/Client
Jill Haimen

DELIVERABLES:
NYSDEC ASP Cat B (BS-70-D)

TURNAROUND TIME: 21 Days

NOTES:
SOILS
TCL VOAs
8260 plus TICs
PWSID 0440805

Project Contact: Jill H.
Phone Number: 516 647-4211

Sample Container Description: 8 oz jar | 1 oz jar | 40 ml vial-HCl

ANALYSIS REQUESTED

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	ORGANIC: VOA	BNA	Pest/PCB	8260 TICs	VOA	INORG.: Metal	CN	LAB I.D. NO.	REMARKS:
5/24/05	1000	S	SB-1 3-4 ft	2	1			-				0505763-001	
	1200	S	SB-2 5-6 ft	2	1			1				002	
	1330	S	SB-3 4-5 ft	3	2			1				003	MS/MSD
	1420	S	SB-4 4-5 ft	2	2							004	
5/25/05	900	S	SB-5 3-4 ft	2	2							005	
	1014	S	SB-6 3-4 ft	2	2							006	
		S	SB-7										
	1130	S	SB-8 6"-8"	2	2							007	
5/24/05	1630	L	FIELD BLANK	2					2			008	Field Blank

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Pete Danish	5/26/05	1:37		5/26/05	1:37PM
	Date	Time		Date	Time
	Date	Time		Date	Time
	Date	Time		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
3. Received in good condition: Y or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

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

Q

H2M LABS, INC.

BER019

Sample Receipt Checklist

Client Name BER

Date and Time Receive

Work Order Numbe 0505763

Received by LSD

Checklist completed b _____ 5/26/05
Signature Date

Reviewed by _____ 5/27/05
Initials Date

Matrix

Carrier name Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Applicable ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Applicable ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☒ (LS)	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted Berninger Date contacted: 5/26/05 1600 Person contacted Jill Hamsin

Contacted by: LSD Regarding _____

Comments: External COC: SB-5 (3-4FT) - Bottles say 3-5 FT

Corrective Action External COC is correct

BER019 A9

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: BER DELIVERABLES: BS-D-1 TURN AROUND TIME: 21 Days

SDG #: BER019 CASE #: _____ MATRIX: Soil pH CHECK Y (N)

REMARKS: 044BER05 *High in VOC's

RECEIVED BY: LSD SIGNATURE: [signature] DATE: 5/26/05 TIME: 1337

CLIENT ID	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED	
SB-1 (3-4 FT)	0505263-001A	5.24	A	1	ASP BS-8260_S + TICS	
SB-2 (5-6FT)	002A	↓	↓	↓	↓	
SB-3 (4-5FT) MS/MSD	003A			2		
SB-4 ↓	004A	↓		1		*
SB-5 (3-4FT)	005A	5.25				*
SB-6 ↓	006A	↓				
SB-8 (6-8")	007A	↓	↓	↓	↓	
Field Blank 5/24	008A	5.24	DH	2	ASP BS8260_W + TICS	
"						
"						
"						
"						
"						
"						
"						
"						
"						
"						

LSD 5/26/05

VOLATILE

BER019 A10

H2M LABS, INC.

CLIENT: BER

SDG #: BER019

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT
5/31/05	1645	SIGN	SIGN	ADH	analysis	
6/1/05	1400	SIGN	SIGN	DH	Analysis	
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
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VOLATILE

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: BER DELIVERABLES: BS-70-D TURN AROUND TIME: 21 Days

SDG #: BER019 CASE #: _____ MATRIX: Soil pH CHECK Y or (N)

REMARKS: D44 BER05 *High in VOC's

RECEIVED BY: LSO SIGNATURE: [signature] DATE: 5/24/05 TIME: 1337

CLIENT ID	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED	
SB-1 (3-4FT)	0505203-01B	5.24	AA	1	PMOIST	
SB-2 (5-6FT)	002B					
SB-3 (4-5 FT)	003B					
SB-4	004B					*
SB-5 (3-4FT)	005B	5.25				*
SB-6	006B					
SB-8 (6-8")	007B					
"						
"						
"						
"						
"		LSO				
"			5/26/05			

WET CHEMISTRY

BER019 A12

H2M LABS, INC.

CLIENT: BER

SDG #: BER019

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT
5/26/05	1630	SIGN	SIGN	AA	Analysis	
5/27/05	11:00	SIGN	SIGN	AA	Preset	
5/27/05	12:30	SIGN	SIGN	AA	Storage	
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
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WET CHEMISTRY

H2M LABS, INC.

1551

PO# 5006388

EXTERNAL CHAIN OF CUSTODY

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (516) 694-3040 Fax: (516) 420-8436

CLIENT: BERNINGER ENVIRONMENTAL | H2M SDG NO: BER021

PROJECT NAME/NUMBER

ROSE CLEANERS
500 Lexington Avenue, Mt Kisco

SAMPLERS: (signature)/Client
Jill Hamian
Berninger Environmental Inc.

DELIVERABLES: B570D

TURNAROUND TIME: 21 DAYS

NOTES:
TCL VOAs
pl-s TICs
8260

Project Contact: Jill H.
Phone Number: 516 647-4211

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	Sample Container Description	ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	VOA	Soil	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
6/1/05	9:00	S	SB-9 3-4 Ft	2	40mL VIAL HCL				2	2			0506059-001AB	
	10:00	S	SB-10 3-4 Ft	2					1	1			2	
	11:30	S	SB-11 0.5-1 Ft	2					1	1			3	
	12:50	S	SB-12 3-4 Ft	2					1	1			4	
	13:40	S	SB-13 0-3 Ft	2					1	1			5	
	12:20	S	SED-1 0-6"	3					2	1			6	MS/MSD
	12:30	S	SED-2	2					2	1			7	
	13:00	S	SED-3	2					2	1			8	
	12:40	S	SED-4	2					2	1			9	
	12:55	S	SED-5	2					1	1			10	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Peter Daniels	6/2/05	11:30	[signature]	6/2/05	11:30
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
3. Received in good condition: Y or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

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

BER021.AS

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

C

H2M LABS, INC.

BER021

Sample Receipt Checklist

Client Name BER

Date and Time Receive 6/2/2005 11:30:00 AM

Work Order Numbe 0506059

Received by BGL

Checklist completed b Signature 6.2.05 Date

Reviewed by SMG Initials 6/3/05 Date

Matrix

Carrier name Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Applicable ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Applicable ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
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 ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
samples received within holding time?	Yes ☑	No ☐	
ntainer/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

BER021 A9

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: BER DELIVERABLES: B570D TURN AROUND TIME: 21 DAYS

SDG #: BER021 CASE #: X MATRIX: Soil pH CHECK Y or (N)

REMARKS: 044 BER 05

RECEIVED BY: BGL SIGNATURE: Bret Langton DATE: 6-2-05 TIME: 11:30

CLIENT ID	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
SB-9 (3-4FT)	050059-001A	6-1-05	A	1	ASPBS-8260_S +TICS
SB-10 (3-4FT)	2				
SB-11 (05-1FT)	3				
SB-12 (3-4FT)	4				
SB-13 (0-3FT)	5				
SED-1 (0-6") MS/MSD	6			2	
" 2	7			1	
" 3	8				
" 4	9				
" 5	10				
"					
"					
"					
"					
"					
"					
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"					
"					

BGL 6-2-05

VOLATILE

BER021 A10

[redacted]2M LABS, INC.

ENT: BER

SDG #: BER021

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT
6/2/05	14:40	SIGN [redacted]	SIGN [redacted]	A	ANALYSIS	
6/3/05	1000	SIGN [redacted]	SIGN [redacted]	A	Analysis	
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
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VOLATILE

P 0233

BER021 A11

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: BER DELIVERABLES: B570D TURN AROUND TIME: 21 DAYS

SDG #: BER021 CASE #: X MATRIX: SOIL pH CHECK Y or (N)

REMARKS: 044 BER 05

RECEIVED BY: BGL SIGNATURE: Brett Langlois DATE: 6.2.05 TIME: 11:30

CLIENT ID	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
SB-9 (3-4FT)	0506009-001B	6.1.05	AA	1	%MOIST
" -10 (3-4FT)	2				
" 11 (0.5-1FT)	3				
" 12 (3-4FT)	4				
" 13 (0-3FT)	5				
" SED-1 (0-6") BGL 6.2.05	6				
" SED-2	7				
" -3	8				
" -4	9				
" -5	10				
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"					

BGL 6.2.05

WET CHEMISTRY

BER021 A12

H2M LABS, INC.

IENT: BER

SDG #: BER021

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT
6-2-05	14:47	SIGN Bret Langlois	SIGN	AA	Analysis	
6/3/05	16:30	SIGN	SIGN	PA	PHOIST	
6/3/05	18:00	SIGN	SIGN	PA	Storage	
		SIGN	SIGN			
		SIGN	SIGN			
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WET CHEMISTRY

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (516) 694-3040 Fax: (516) 420-8436

1551 4

PO# 5061388

EXTERNAL CHAIN OF CUSTODY

CLIENT: BERNINGER ENVIRONMENTAL

H2M SDG NO: BER022

PROJECT NAME/NUMBER

ROSE CLEANERS
500 LEXINGTON AVE MT KISCO NY

SAMPLERS: (signature)/Client

JILL HAIMSON
Berninger Environmental Inc.

DELIVERABLES:

B570D ASP B

TURNAROUND TIME:

21 DAYS

NOTES:

TCL VOAs 8260 plus TICs

Project Contact: JILL HAIMSON

Phone Number: 516 647-4211

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	Sample Container Description: 40 ML VIAL HCL	2 oz	1 oz	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	VOA	Metals	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
6/1/05	930	L	GW-9 5-7'	2	2											0606066-001A
	938	L	GW-9 15-17'	2	2											-002A
	1030	L	GW-10 5-7'	2	2											-003A
	1120	L	GW-10 15-17'	2	2											-004A
	1200	L	SW-1 0-1 Ft	2	2											-012A
	1230	L	SW-2 0-.5 Ft	2	2											-013A
	1145	L	GW-11 5-7'	2	2											-005
	1210	L	GW-11 15-17'	2	2											-006A
	1330	L	NEW CASTLE DRIVE CULVERT	2	2											-011A
	1400	L	FIELD BLANK	2	2											-014A
	-	L	TRIP BLANK	2	2										42 UNPRESERVED VIALS	-015A

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Peter Daniels	6/2/05	11:30		6.2.05	11:30
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
3. Received in good condition: (Y) or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

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

BER022 A9

WHITE COPY - ORIGINAL

YELLOW COPY - CLIENT

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (516) 694-3040 Fax: (516) 420-8436

15513

PO#5061388

EXTERNAL CHAIN OF CUSTODY

CLIENT: BERNINGER ENVIRONMENTAL | H2M SDG NO: BER022

PROJECT NAME/NUMBER: ROSE CLEANERS - 500 LEXINGTON MA Kisco

SAMPLERS: (signature)/Client: Jill Hamner, Berninger Environmental Dr

DELIVERABLES: B5-70D

TURNAROUND TIME: 21 DAYS

NOTES: ASP BS8260-W+TICS; TCL VOA 8260 plus TICs

Project Contact: Jill H.

Phone Number: 716 447-4211

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:
			~~SB-9~~	~~2~~ 2							
6/1/05	1300	L	GW-12 5-7'	6 6						MS/MSD	OS06066-007A
	1320	L	GW-12 15-17'	2 2							-008A
	1400	L	GW-13 5-7'	2 2							-009A
↓	1430	L	GW-13 15-17'	2 2							-010A

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Peter Daniels	6/2/05	11:30	Bret Lang	6.2.05	11:30
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
3. Received in good condition: (Y) or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

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

BER022 A10

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT

H2M LABS, INC.

BER022

Sample Receipt Checklist

Client Name BER

Date and Time Receive 6/2/2005

Work Order Numbe 0506066

Received by BGL

Checklist completed b Signature 6.2.05 Date

Reviewed by Initials 6/3/05 Date

Matrix

Carrier name Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Applicable ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Applicable ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
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 ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
ntainer/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☐	No ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted yes Date contacted: 6/2/05 Person contacted Jill H.

Contacted by: Bret Regarding see below

Comments: THE FOLLOWING VIALS HAVE HEADSPACE — GW-9 (15-17FT), 1 VIAL PEA SIZED; GW-10 (15-17FT), 1 VIAL 1/4 INCH 1 VIAL 3 PEA; GW11 (5-7FT), 1 VIAL PEA 1 VIAL PEA; GW 12 (5-7FT), GW12 (15-17FT), 1 VIAL 1/8 INCH 1 VIAL 5 PEA; NEW CASTLE. NO TIME OF COLLECTION ~~Date~~ BGL 6.2.05. FOR GW-13 (5-7FT & GW-13 (15-17FT). GW-11 (5-7FT) WAS MISLABELED AS MS/MSD, THE MS/MSD IS GW12 (5-7FT)

Corrective Action SPOKE WITH JILL H. SHE SAID RUN EVEN WITH HEADSPACE, GW12 (5-7FT) FOR MS/MSD, SHE GAVE ME ~~TO~~ TIME OF COLLECTION FOR GW13 SAMPLES, USE UNPRES. BGL 6.2.05 MS FOR ~~GW~~ GW9 - 15-17.

BER022 A11

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

Appendix D
SDG Narrative

Phone/Fax (631) 757-0467 email LABValidation@aol.com

H2M LABS, INC.

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 6/2/05
SDG #: BER021

For Samples:

SB-9 (3-4 FT)	SED-1 (0-6") MS/MSD
SB-10 (3-4 FT)	SED-2 (0-6")
SB-11 (0.5-1 FT)	SED-3 (0-6")
SB-12 (3-4 FT)	SED-4 (0-6")
SB-13 (0-3 FT)	SED-5 (0-6")

The above soil samples were analyzed for volatile organics by EPA method 8260B in accordance with the NYSDEC ASP, Rev. 10/95.

All QC data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

- Sample SB-3 (4-5 FT) was analyzed as the matrix spike/matrix spike duplicate (MS/MSD). Recoveries for three analytes in the MSD were below the QC limits.
- Two lab fortified blanks and a matrix spike blank was analyzed. All percent recoveries were within QC limits.
- Two samples exceeded the calibration range for targeted analytes and were reanalyzed at a dilution. Both sets of data are reported.
- The "dilution" for sample SB-10 (3-4 FT) was analyzed by medium level procedure.
- Low levels (less than PQL) of tetrachloroethene were detected in the method blank of the low level procedure. This analyte is flagged with a "B" qualifier in the samples.
- TIC compounds, identified as siloxanes, that are suspected to be column bleed introduced by the analytical system, were flagged with the qualifier "X".

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: June 14, 2005

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****

Ursula Middel
Technical Manager

BER021 A6

H2M LABS, INC.

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 5/26/05
SDG #: BER020

For Samples:

GW-1 (4-6 FT)	GW-5 (5-7 FT)
GW-1 (14-16 FT)	GW-5 (15-17 FT)
GW-1 (24-26 FT) MS/MSD	GW-5 (25-27 FT)
GW-2 (5-7 FT)	GW-6 (5-7 FT)
GW-2 (15-17 FT)	GW-6 (15-17 FT)
GW-2 (25-27 FT)	GW-6 (25-27 FT)
GW-3 (5-7 FT)	GW-7 (5-7 FT)
GW-3 (15-17 FT)	GW-7 (15-17 FT)
GW-4 (5-7 FT)	GW-7 (25-27 FT)
GW-4 (15-17 FT)	TRIP BLANK 5/24
GW-4 (25-27 FT)	TRIP BLANK 5/25

The above water samples were analyzed for volatile organics by EPA method 8260B in accordance with the NYSDEC ASP, Rev. 10/95.

All QC data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

- Sample GW-1 (24-26 FT) was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries were within QC limits.
- A lab fortified blank and a matrix spike blank was analyzed. All percent recoveries were within QC limits.
- All samples except the trip blanks were initially analyzed at a dilution. Many samples required reanalysis at an additional dilution due to concentration levels of targeted analytes above the calibration range, in the initial analysis. The results for methylene chloride and tetrachloroethane for the diluted sample of GW-1 (4-6 FT) were higher than the undiluted. Results should be used from the undiluted analysis.

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: June 10, 2005

Joann M. Slavin
Senior Vice President

NRC

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BER020 S13

H2M LABS, INC.

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 5/26/05
SDG #: BER019

For Samples:

SB-1 (3-4 FT)	SB-5 (3-4 FT)
SB-2 (5-6 FT)	SB-6 (3-4 FT)
SB-3 (4-5 FT) MS/MSD	SB-8 (6"-8")
SB-4 (4-5 FT)	FIELD BLANK 5/24

The above soil samples and field blank were analyzed for volatile organics by EPA method 8260B in accordance with the NYSDEC ASP, Rev. 10/95.

All QC data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

- Sample SB-3 (4-5 FT) was analyzed as the matrix spike/matrix spike duplicate. Most percent recoveries were below the QC limits. Note that the QC limits for recovery and the RPD do not apply for trichloroethene, since the compound is present in the sample, and the spiking level is not a multiple of the sample concentration.

- A lab fortified blank and a matrix spike blank was analyzed. All percent recoveries were within QC limits.

- The recovery for the internal standard 4-bromofluorobenzene (BFB) was above the QC limit in sample SB-2 (5-6 FT). The sample was reanalyzed with similar result. Both sets of data are reported.

- All samples were analyzed with low level procedure first, and five samples were reanalyzed with the medium level protocol, to keep compounds within the calibration range. The extracts for the medium level were diluted as appropriate for the concentration levels.

- Low levels (less than PQL) of tetrachloroethene were detected in the method blank of the medium level procedure. This analyte is flagged with a "B" qualifier in the associated samples.

- If a large interference coeluted with an internal standard, the affected tentatively identified compounds (TICs) were re-quantified with the nearest internal standard that was free from interferences.

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: June 13, 2005

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Ursula Middel
Technical Manager

BER019 A6

H2M LABS, INC.

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 6/2/05
SDG #: BER022

For Samples:

FIELD BLANK	GW-13 (5-7 FT)
GW-10 (15-17 FT)	GW-9 (15-17 FT)
GW-10 (5-7 FT)	GW-9 (5-7 FT)
GW-11 (15-17 FT)	NEW CASTLE DRIVE CULVERT
GW-11 (5-7 FT)	SW-1 (0-1 FT)
GW-12 (15-17 FT)	SW-2 (0-0.5 FT)
GW-12 (5-7 FT) MS/MSD	TRIP BLANK
GW-13 (15-17 FT)	

The above water samples were analyzed for volatile organics by EPA method 8260B in accordance with the NYSDEC ASP, Rev. 10/95.

All QC data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

- Sample GW-12 (5-7 FT) was analyzed as the matrix spike/matrix spike duplicate (MS/MSD).
- Note that the QC limits do not apply for the spike recoveries of trichloroethene, because the analyte was found in the sample, and the spiking level was not a multiple of the sample concentration.
- All percent recoveries for the laboratory control sample (LCS) and the lab fortified blank (LFB) were within QC limits.
- Recovery for the surrogate compound 4-bromofluorobenzene (BFB) was below the QC limit in sample NEW CASTLE DRIVE CULVERT. The sample was reanalyzed, and the recovery was again slightly below the limit. Both sets of data are reported.
- Four samples exceeded the calibration range for targeted analytes and were reanalyzed at a dilution. Both sets of data are reported.
- Sample GW-13 (15-17 FT) was only analyzed at a dilution.
- %D in the continuous calibration on 6/6/05 exceeded 25% for trichloroethene but met the acceptance limit of 40%.

H2M LABS, INC.

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 6/2/05
SDG #: BER022

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: June 16, 2005

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* *
* *
****

Ursula Middel
Technical Manager

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

Appendix E
NYSDEC ASP Forms

Phone/Fax (631) 757-0467 email LABValidation@aol.com

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: BER019

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
0505763-001A	SB-1 (3-4 FT)	Soil	ASP95-1	24-May-05	26-May-05		02-Jun-05		1	LOW	
0505763-002A	SB-2 (5-6 FT)	Soil	ASP95-1	24-May-05	26-May-05		02-Jun-05		1	LOW	
0505763-002ARE	SB-2 (5-6 FT)RE	Soil	ASP95-1	24-May-05	26-May-05		03-Jun-05		1	LOW	
0505763-003A	SB-3 (4-5 FT)	Soil	ASP95-1	24-May-05	26-May-05		02-Jun-05		1	LOW	
0505763-003ADL	SB-3 (4-5 FT)DL	Soil	ASP95-1	24-May-05	26-May-05		03-Jun-05		1	MED	
0505763-003AMS	SB-3 (4-5 FT)MS	Soil	ASP95-1	24-May-05	26-May-05		02-Jun-05		1	LOW	
0505763-003AMSD	SB-3 (4-5 FT)MSD	Soil	ASP95-1	24-May-05	26-May-05		02-Jun-05		1	LOW	
0505763-004A	SB-4 (4-5 FT)	Soil	ASP95-1	24-May-05	26-May-05		02-Jun-05		10	LOW	
0505763-004ADL	SB-4 (4-5 FT)DL	Soil	ASP95-1	24-May-05	26-May-05		03-Jun-05		100	MED	
0505763-005A	SB-5 (3-4 FT)	Soil	ASP95-1	25-May-05	26-May-05		03-Jun-05		10	LOW	
0505763-005ADL	SB-5 (3-4 FT)DL	Soil	ASP95-1	25-May-05	26-May-05		03-Jun-05		10	MED	
0505763-006A	SB-6 (3-4 FT)	Soil	ASP95-1	25-May-05	26-May-05		02-Jun-05		1	LOW	
0505763-006ADL	SB-6 (3-4 FT)DL	Soil	ASP95-1	25-May-05	26-May-05		03-Jun-05		2	MED	
0505763-007A	SB-8 (6"-8")	Soil	ASP95-1	25-May-05	26-May-05		02-Jun-05		1	LOW	
0505763-007ADL	SB-8 (6"-8")DL	Soil	ASP95-1	25-May-05	26-May-05		03-Jun-05		2	MED	
0505763-008A	FIELD BLANK 5/24	Aqueous	ASP95-1	24-May-05	26-May-05		03-Jun-05		1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: BER020

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
0505764-001A	GW1(4-6FT)	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		5	LOW	
0505764-001ADL	GW1(4-6FT)DL	Aqueous	ASP95-1	24-May-05	26-May-05		03-Jun-05		200	LOW	
0505764-002A	GW1(14-16FT)	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		5	LOW	
0505764-002ADL	GW1(14-16FT)DL	Aqueous	ASP95-1	24-May-05	26-May-05		02-Jun-05		200	LOW	
0505764-003A	GW1(24-26FT)	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		5	LOW	
0505764-003A	GW1(24-26FT) DL	Aqueous	ASP95-1	24-May-05	26-May-05		02-Jun-05		20	LOW	
0505764-003AMS	GW1(24-26FT)MS	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		5	LOW	
0505764-003AMSD	GW1(24-26FT)MSD	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		5	LOW	
0505764-004A	GW2(5-7FT)	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		5	LOW	
0505764-004ADL	GW2(5-7FT)DL	Aqueous	ASP95-1	24-May-05	26-May-05		02-Jun-05		20	LOW	
0505764-005A	GW2(15-17FT)	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		1	LOW	
0505764-006A	GW2(25-27FT)	Aqueous	ASP95-1	24-May-05	26-May-05		02-Jun-05		1	LOW	
0505764-006ADL	GW2(25-27FT)DL	Aqueous	ASP95-1	24-May-05	26-May-05		03-Jun-05		2.5	LOW	
0505764-007A	GW3(5-7FT)	Aqueous	ASP95-1	24-May-05	26-May-05		02-Jun-05		20	LOW	
0505764-008A	GW3(15-17FT)	Aqueous	ASP95-1	24-May-05	26-May-05		03-Jun-05		2.5	LOW	
0505764-009A	GW4(5-7FT)	Aqueous	ASP95-1	24-May-05	26-May-05		02-Jun-05		50	LOW	
0505764-009ADL	GW4(5-7FT)DL	Aqueous	ASP95-1	24-May-05	26-May-05		02-Jun-05		500	LOW	
0505764-010A	GW4(15-17FT)	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		50	LOW	
0505764-010ADL	GW4(15-17FT)DL	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		500	LOW	
0505764-011A	GW4(25-27FT)	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		50	LOW	
0505764-011ADL	GW4(25-27FT)DL	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		125	LOW	
0505764-012A	GW5(5-7FT)	Aqueous	ASP95-1	25-May-05	26-May-05		01-Jun-05		250	LOW	
0505764-012ADL	GW5(5-7FT)DL	Aqueous	ASP95-1	25-May-05	26-May-05		01-Jun-05		2500	LOW	
0505764-013A	GW5(15-17FT)	Aqueous	ASP95-1	25-May-05	26-May-05		01-Jun-05		250	LOW	
0505764-013ADL	GW5(15-17FT)DL	Aqueous	ASP95-1	25-May-05	26-May-05		01-Jun-05		2500	LOW	
0505764-014A	GW5(25-27FT)	Aqueous	ASP95-1	25-May-05	26-May-05		01-Jun-05		250	LOW	
0505764-014ADL	GW5(25-27FT)DL	Aqueous	ASP95-1	25-May-05	26-May-05		01-Jun-05		2500	LOW	
0505764-015A	GW6(5-7FT)	Aqueous	ASP95-1	25-May-05	26-May-05		02-Jun-05		5	LOW	

Lab Sample ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	Received at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
0505764-015ADL	GW6(5-7FT)DL	Aqueous	ASP95-1	25-May-05	26-May-05		03-Jun-05		500	LOW	
0505764-016A	GW6(15-17FT)	Aqueous	ASP95-1	25-May-05	26-May-05		02-Jun-05		20	LOW	
0505764-017A	GW6(25-27FT)	Aqueous	ASP95-1	25-May-05	26-May-05		02-Jun-05		20	LOW	
0505764-018A	GW7(5-7FT)	Aqueous	ASP95-1	25-May-05	26-May-05		02-Jun-05		20	LOW	
0505764-019A	GW7(15-17FT)	Aqueous	ASP95-1	25-May-05	26-May-05		02-Jun-05		5	LOW	
0505764-019ADL	GW7(15-17FT)DL	Aqueous	ASP95-1	25-May-05	26-May-05		03-Jun-05		1250	LOW	
0505764-020A	GW7(25-27FT)	Aqueous	ASP95-1	25-May-05	26-May-05		02-Jun-05		5	LOW	
0505764-020ADL	GW7(25-27FT)DL	Aqueous	ASP95-1	25-May-05	26-May-05		03-Jun-05		1250	LOW	
0505764-021A	TRIPBLANK 5/24	Aqueous	ASP95-1	24-May-05	26-May-05		03-Jun-05		1	LOW	
0505764-022A	TRIPBLANK 5/25	Aqueous	ASP95-1	25-May-05	26-May-05		03-Jun-05		1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: BER021

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
0506059-001A	SB-9 (3-4 FT)	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-002A	SB-10 (3-4 FT)	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-002ADL	SB-10 (3-4")DL	Soil	ASP95-1	01-Jun-05	02-Jun-05		08-Jun-05		1	MED	
0506059-003A	SB-11 (0.5-1 FT)	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-004A	SB-12 (3-4 FT)	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-004ADL	SB-12 (3-4 FT)DL	Soil	ASP95-1	01-Jun-05	02-Jun-05		08-Jun-05		5	LOW	
0506059-005A	SB-13 (0-3 FT)	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-006A	SED-1 (0-6")	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-006AMS	SED-1 (0-6")MS	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-006AMSD	SED-1 (0-6")MSD	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-007A	SED-2 (0-6")	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-008A	SED-3 (0-6")	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-009A	SED-4 (0-6")	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-010A	SED-5 (0-6")	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: BER022

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
0506066-001A	GW-9 (5-7 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-002A	GW-9 (15-17 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-003A	GW-10 (5-7 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-003ADL	GW-10 (5-7 FT)DL	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		2.5	LOW	
0506066-004A	GW-10 (15-17 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-005A	GW-11 (5-7 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-006A	GW-11 (15-17 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-007A	GW-12 (5-7 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-007ADL	GW-12 (5-7 FT)DL	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		50	LOW	
0506066-007AMS	GW-12 (5-7 FT)MS	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-007AMSD	GW-12 (5-7 FT)MSD	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-008A	GW-12 (15-17 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-008ADL	GW-12 (15-17 FT)DL	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		50	LOW	
0506066-009A	GW-13 (5-7 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506066-009ADL	GW-13 (5-7 FT)DL	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		50	LOW	
0506066-010A	GW-13 (15-17 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		10	LOW	
0506066-011A	CULVERT	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-011ARE	CULVERTRE	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506066-012A	SW-1 (0-1 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-013A	SW-2 (0-0.5 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-014A	FIELD BLANK	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506066-015A	TRIP BLANK	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	

STL Burlington
Colchester, Vermont

Sample Data Summary Package

SDG: 107468

SEVERN TRENT STL

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446

Tel: 802 655 1203 Fax: 802 655 1248
www.stl-inc.com

June 15, 2005

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

Re: Laboratory Project No. 25000
Case: 25000; SDG: 107468

Dear Mr. Berninger:

Enclosed are the analytical results for samples received by STL Burlington on May 27, 2005. This report is sequentially numbered starting with page 0001 and ending with page 0341. Laboratory numbers have been assigned and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 05/27/05 ETR No: 107468		
622705	SG-1	05/24/05	Air
622706	SG-2	05/24/05	Air
622707	SG-3	05/24/05	Air
622708	SG-4	05/24/05	Air
622709	SG-5	05/24/05	Air
622710	SG-6	05/24/05	Air
622711	SG-7	05/25/05	Air
622712	SG-8	05/25/05	Air
622713	SG-9	05/25/05	Air

Documentation of the condition of the samples at the time their receipt and any exceptions to the laboratory's Sample Acceptance Policy is included in the Sample Handling section of this submittal.

In the volatile organic analysis, the recovery of hexachlorobutadiene in the laboratory control sample, L4LCS, was below the established control limits. All other target analytes exhibited recoveries that were well within control limits.

The response for 1,3,5-trimethylbenzene in the continuing calibration standard acquired on June 1, 2005 at 10:00, exhibited a percent difference relative to the mean of the calibration that was above the 30% limit. The response for this compound increased and no loss of instrument sensitivity was exhibited.

The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to the requirements specified in the NELAC standard.

Release of the data contained in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at (802) 655-1203.

Sincerely,

Lori Arnold
Project Manager

Enclosure

STL Burlington Data Qualifier Definitions

Organic

U: Compound analyzed but not detected at a concentration above the reporting limit.

J: Estimated value.

N: Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds (TICs) where the identification of a compound is based on a mass spectral library search.

P: Greater than 25% difference for detected concentrations between two GC columns. Unless otherwise specified in project QA plan, the lower of the two values is reported on the Form I.

C: Pesticide result whose identification has been confirmed by GC/MS.

B: Analyte is found in the sample and the associated method blank. The flag is used for tentatively identified compounds as well as positively identified compounds.

E: Compounds whose concentrations exceed the upper limit of the calibration range of the instrument for that specific analysis.

D: Concentrations identified from analysis of the sample at a secondary dilution.

A: Tentatively identified compound is a suspected aldol condensation product.

X,Y,Z: Laboratory defined flags that may be used alone or combined, as needed. If used, the description of the flag is defined in the project narrative.

Inorganic/Metals

E: Reported value is estimated due to the presence of interference.

N: Matrix spike sample recovery is not within control limits.

* Duplicate sample analysis is not within control limits.

B: The result reported is less than the reporting limit but greater than the instrument detection limit.

U: Analyte was analyzed for but not detected above the reporting limit.

Method Codes:

P	ICP-AES
MS	ICP-MS
CV	Cold Vapor AA
AS	Semi-Automated Spectrophotometric

SEVERN TRENT LABORATORIES, INC.

STL Burlington
208 South Park Drive, Suite 1
Colchester, VT 05446 Tel 802 655 1203

CHAIN OF CUSTODY RECORD

Report to:
Company: Beninger Environmental Inc.
Address: 90B Knickerbocker Ave
Bohemia, NY 11716
Contact: Walter Beninger
Phone: 631-589-6521
Fax: 631-589-6528
Contract/ Quote: PO# 5051378

Invoice to:
Company: SAme
Address:
Contact:
Phone:
Fax:

Sampler's Name: Jill Harmson
Sampler's Signature:

Proj. No:
Project Name: Rose Cleaners, 500 Lexington Avenue Mt. Kisco
No/Type of Containers²: 6 Liter canister

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	VOA	A/G 1 Lt.	250 ml	P/O	Lab/Sample ID (Lab Use Only)
Air	5/24/05	10:10		X	SG-1 2.0-2.5 ft	1				
		11:08		X	SG-2 2.0-2.5 ft	1				
		12:17		X	SG-3 " "	1				
		2:38		X	SG-4 2.0-2.5 ft	1				
		4:02		X	SG-5	1				
		7:33		X	SG-6	1				
Air	5/25/05	8:45		X	SG-7 2.0-2.5 ft	1				
		11:26		X	SG-8	1				
		9:15		X	SG-9	1				

ANALYSIS REQUESTED
TO-14 VOCs by TO-15 Method
ASTM D1946 Helium

Lab Use Only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5
Custody Seal N / Y
Intact N / Y
Screened For Radioactivity ☐

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	5/26/05	2:23PM	C. DeMarinis	5.26.05	14:23
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
			[signature]	5/27/05	0930
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time

Remarks: Helium TRACER GAS USED

Client's delivery of samples constitutes acceptance of Severn Trent Laboratories terms and conditions contained in the Price Schedule.

Matrix WW - Wastewater W - Water S - Soil L - Liquid A - Air bag C - Charcoal Tube SL - Sludge O - Oil
Container VOA - 40 ml vial A/G - Amber / Or Glass 1 Liter 250 ml - Glass wide mouth P/O - Plastic or other _____

STL cannot accept verbal changes. Please Fax written changes to (802) 655-1248

STL8234-200 (12/02)

SEVERN TRENT STL

METHOD TO-15

SAMPLE DATA SUMMARY PACKAGE

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622705

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: 622705

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 05/31/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.51	
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.20	U
74-83-9	Bromomethane	0.20	U
75-00-3	Chloroethane	0.20	U
75-69-4	Trichlorofluoromethane	0.23	
76-13-1	Freon TF	0.20	U
75-35-4	1,1-Dichloroethene	0.20	U
75-09-2	Methylene Chloride	0.50	U
75-34-3	1,1-Dichloroethane	0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	U
67-66-3	Chloroform	0.20	U
71-55-6	1,1,1-Trichloroethane	0.20	U
56-23-5	Carbon Tetrachloride	0.20	U
71-43-2	Benzene	0.24	
107-06-2	1,2-Dichloroethane	0.20	U
79-01-6	Trichloroethene	0.20	U
78-87-5	1,2-Dichloropropane	0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	U
108-88-3	Toluene	1.1	
10061-02-6	trans-1,3-Dichloropropene	0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	U
127-18-4	Tetrachloroethene	2.9	
108-90-7	Chlorobenzene	0.20	U
100-41-4	Ethylbenzene	0.20	U
1330-20-7	Xylene (m,p)	0.44	
100-42-5	Styrene	0.20	U
95-47-6	Xylene (o)	0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-1

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622705

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: 622705

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 05/31/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	0.20	U
108-67-8	1,3,5-Trimethylbenzene	0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	U
76-14-2	1,2-Dichlorotetrafluoroethan	0.20	U
106-93-4	1,2-Dibromoethane	0.20	U
106-99-0	1,3-Butadiene	0.22	
75-15-0	Carbon Disulfide	0.50	U
110-82-7	Cyclohexane	0.20	U
124-48-1	Dibromochloromethane	0.20	U
75-25-2	Bromoform	0.20	U
75-27-4	Bromodichloromethane	0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	U
622-96-8	4-Ethyltoluene	0.20	U
107-05-1	3-Chloropropene	0.20	U
540-84-1	2,2,4-Trimethylpentane	1.9	
593-60-2	Bromoethene	0.20	U
95-49-8	2-Chlorotoluene	0.20	U
110-54-3	n-Hexane	0.57	
142-82-5	n-Heptane	0.20	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-2

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622706

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: 622706D2

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 20.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	10	U
74-87-3	Chloromethane	10	U
75-01-4	Vinyl Chloride	150	
74-83-9	Bromomethane	4.0	U
75-00-3	Chloroethane	4.0	U
75-69-4	Trichlorofluoromethane	4.0	U
76-13-1	Freon TF	4.0	U
75-35-4	1,1-Dichloroethene	12	
75-09-2	Methylene Chloride	21	
75-34-3	1,1-Dichloroethane	4.0	U
156-59-2	cis-1,2-Dichloroethene	550	
67-66-3	Chloroform	4.0	U
71-55-6	1,1,1-Trichloroethane	4.0	U
56-23-5	Carbon Tetrachloride	4.0	U
71-43-2	Benzene	4.3	
107-06-2	1,2-Dichloroethane	4.0	U
79-01-6	Trichloroethene	630	
78-87-5	1,2-Dichloropropane	4.0	U
10061-01-5	cis-1,3-Dichloropropene	4.0	U
108-88-3	Toluene	17	
10061-02-6	trans-1,3-Dichloropropene	4.0	U
79-00-5	1,1,2-Trichloroethane	4.0	U
127-18-4	Tetrachloroethene	610	
108-90-7	Chlorobenzene	4.0	U
100-41-4	Ethylbenzene	4.2	
1330-20-7	Xylene (m,p)	10	
100-42-5	Styrene	4.2	
95-47-6	Xylene (o)	4.0	U
79-34-5	1,1,2,2-Tetrachloroethane	4.0	U
541-73-1	1,3-Dichlorobenzene	4.0	U
106-46-7	1,4-Dichlorobenzene	4.0	U
95-50-1	1,2-Dichlorobenzene	4.0	U
120-82-1	1,2,4-Trichlorobenzene	10	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-2

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622706

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: 622706D2

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 20.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	4.0	U
108-67-8	1,3,5-Trimethylbenzene	4.0	U
95-63-6	1,2,4-Trimethylbenzene	4.0	U
76-14-2	1,2-Dichlorotetrafluoroethan	4.0	U
106-93-4	1,2-Dibromoethane	4.0	U
106-99-0	1,3-Butadiene	4.0	U
75-15-0	Carbon Disulfide	31	
110-82-7	Cyclohexane	4.0	U
124-48-1	Dibromochloromethane	4.0	U
75-25-2	Bromoform	4.0	U
75-27-4	Bromodichloromethane	4.0	U
156-60-5	trans-1,2-Dichloroethene	4.0	U
622-96-8	4-Ethyltoluene	4.0	U
107-05-1	3-Chloropropene	4.0	U
540-84-1	2,2,4-Trimethylpentane	4.0	U
593-60-2	Bromoethene	4.0	U
95-49-8	2-Chlorotoluene	4.0	U
110-54-3	n-Hexane	4.4	
142-82-5	n-Heptane	4.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-3

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622707

Sample wt/vol: 20.00 (g/mL) ML Lab File ID: 622707D

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	5.0	U
74-87-3	Chloromethane	5.0	U
75-01-4	Vinyl Chloride	2.0	U
74-83-9	Bromomethane	2.0	U
75-00-3	Chloroethane	2.0	U
75-69-4	Trichlorofluoromethane	2.0	U
76-13-1	Freon TF	2.0	U
75-35-4	1,1-Dichloroethene	2.0	U
75-09-2	Methylene Chloride	5.0	U
75-34-3	1,1-Dichloroethane	2.0	U
156-59-2	cis-1,2-Dichloroethene	5.7	
67-66-3	Chloroform	2.1	
71-55-6	1,1,1-Trichloroethane	2.0	U
56-23-5	Carbon Tetrachloride	2.0	U
71-43-2	Benzene	2.0	U
107-06-2	1,2-Dichloroethane	2.0	U
79-01-6	Trichloroethene	46	
78-87-5	1,2-Dichloropropane	2.0	U
10061-01-5	cis-1,3-Dichloropropene	2.0	U
108-88-3	Toluene	5.9	
10061-02-6	trans-1,3-Dichloropropene	2.0	U
79-00-5	1,1,2-Trichloroethane	2.0	U
127-18-4	Tetrachloroethene	320	
108-90-7	Chlorobenzene	2.0	U
100-41-4	Ethylbenzene	2.0	U
1330-20-7	Xylene (m,p)	4.7	
100-42-5	Styrene	2.0	U
95-47-6	Xylene (o)	2.0	U
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U
541-73-1	1,3-Dichlorobenzene	2.0	U
106-46-7	1,4-Dichlorobenzene	2.0	U
95-50-1	1,2-Dichlorobenzene	2.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-3

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622707

Sample wt/vol: 20.00 (g/mL) ML Lab File ID: 622707D

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 10.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	2.0	U
108-67-8	1,3,5-Trimethylbenzene	2.0	U
95-63-6	1,2,4-Trimethylbenzene	2.0	U
76-14-2	1,2-Dichlorotetrafluoroethan	2.0	U
106-93-4	1,2-Dibromoethane	2.0	U
106-99-0	1,3-Butadiene	2.0	U
75-15-0	Carbon Disulfide	5.0	U
110-82-7	Cyclohexane	2.0	U
124-48-1	Dibromochloromethane	2.0	U
75-25-2	Bromoform	2.0	U
75-27-4	Bromodichloromethane	2.0	U
156-60-5	trans-1,2-Dichloroethene	2.0	U
622-96-8	4-Ethyltoluene	2.0	U
107-05-1	3-Chloropropene	2.0	U
540-84-1	2,2,4-Trimethylpentane	2.0	U
593-60-2	Bromoethene	2.0	U
95-49-8	2-Chlorotoluene	2.0	U
110-54-3	n-Hexane	2.0	U
142-82-5	n-Heptane	2.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-4

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622708

Sample wt/vol: 50.00 (g/mL) ML Lab File ID: 622708D2

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 800.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	400	U
74-87-3	Chloromethane	400	U
75-01-4	Vinyl Chloride	160	U
74-83-9	Bromomethane	160	U
75-00-3	Chloroethane	160	U
75-69-4	Trichlorofluoromethane	160	U
76-13-1	Freon TF	160	U
75-35-4	1,1-Dichloroethene	160	U
75-09-2	Methylene Chloride	400	U
75-34-3	1,1-Dichloroethane	160	U
156-59-2	cis-1,2-Dichloroethene	8400	
67-66-3	Chloroform	160	U
71-55-6	1,1,1-Trichloroethane	160	U
56-23-5	Carbon Tetrachloride	160	U
71-43-2	Benzene	160	U
107-06-2	1,2-Dichloroethane	160	U
79-01-6	Trichloroethene	3100	
78-87-5	1,2-Dichloropropane	160	U
10061-01-5	cis-1,3-Dichloropropene	160	U
108-88-3	Toluene	160	U
10061-02-6	trans-1,3-Dichloropropene	160	U
79-00-5	1,1,2-Trichloroethane	160	U
127-18-4	Tetrachloroethene	20000	
108-90-7	Chlorobenzene	160	U
100-41-4	Ethylbenzene	160	U
1330-20-7	Xylene (m,p)	160	U
100-42-5	Styrene	160	U
95-47-6	Xylene (o)	160	U
79-34-5	1,1,2,2-Tetrachloroethane	160	U
541-73-1	1,3-Dichlorobenzene	160	U
106-46-7	1,4-Dichlorobenzene	160	U
95-50-1	1,2-Dichlorobenzene	160	U
120-82-1	1,2,4-Trichlorobenzene	400	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-4

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622708

Sample wt/vol: 50.00 (g/mL) ML Lab File ID: 622708D2

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 800.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	160	U
108-67-8	1,3,5-Trimethylbenzene	160	U
95-63-6	1,2,4-Trimethylbenzene	160	U
76-14-2	1,2-Dichlorotetrafluoroethan	160	U
106-93-4	1,2-Dibromoethane	160	U
106-99-0	1,3-Butadiene	160	U
75-15-0	Carbon Disulfide	400	U
110-82-7	Cyclohexane	160	U
124-48-1	Dibromochloromethane	160	U
75-25-2	Bromoform	160	U
75-27-4	Bromodichloromethane	160	U
156-60-5	trans-1,2-Dichloroethene	300	
622-96-8	4-Ethyltoluene	160	U
107-05-1	3-Chloropropene	160	U
540-84-1	2,2,4-Trimethylpentane	160	U
593-60-2	Bromoethene	160	U
95-49-8	2-Chlorotoluene	160	U
110-54-3	n-Hexane	160	U
142-82-5	n-Heptane	160	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-5

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622709

Sample wt/vol: 67.00 (g/mL) ML Lab File ID: 622709D2

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 3000.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	1500	U
74-87-3	Chloromethane	1500	U
75-01-4	Vinyl Chloride	600	U
74-83-9	Bromomethane	600	U
75-00-3	Chloroethane	600	U
75-69-4	Trichlorofluoromethane	600	U
76-13-1	Freon TF	600	U
75-35-4	1,1-Dichloroethene	620	
75-09-2	Methylene Chloride	1500	U
75-34-3	1,1-Dichloroethane	600	U
156-59-2	cis-1,2-Dichloroethene	1800	
67-66-3	Chloroform	600	U
71-55-6	1,1,1-Trichloroethane	600	U
56-23-5	Carbon Tetrachloride	600	U
71-43-2	Benzene	600	U
107-06-2	1,2-Dichloroethane	600	U
79-01-6	Trichloroethene	3100	
78-87-5	1,2-Dichloropropane	600	U
10061-01-5	cis-1,3-Dichloropropene	600	U
108-88-3	Toluene	620	
10061-02-6	trans-1,3-Dichloropropene	600	U
79-00-5	1,1,2-Trichloroethane	600	U
127-18-4	Tetrachloroethene	82000	
108-90-7	Chlorobenzene	600	U
100-41-4	Ethylbenzene	600	U
1330-20-7	Xylene (m,p)	600	U
100-42-5	Styrene	600	U
95-47-6	Xylene (o)	600	U
79-34-5	1,1,2,2-Tetrachloroethane	600	U
541-73-1	1,3-Dichlorobenzene	600	U
106-46-7	1,4-Dichlorobenzene	600	U
95-50-1	1,2-Dichlorobenzene	600	U
120-82-1	1,2,4-Trichlorobenzene	1500	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-5

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622709

Sample wt/vol: 67.00 (g/mL) ML Lab File ID: 622709D2

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 3000.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	600	U
108-67-8	1,3,5-Trimethylbenzene	600	U
95-63-6	1,2,4-Trimethylbenzene	600	U
76-14-2	1,2-Dichlorotetrafluoroethan	600	U
106-93-4	1,2-Dibromoethane	600	U
106-99-0	1,3-Butadiene	600	U
75-15-0	Carbon Disulfide	1600	
110-82-7	Cyclohexane	600	U
124-48-1	Dibromochloromethane	600	U
75-25-2	Bromoform	600	U
75-27-4	Bromodichloromethane	600	U
156-60-5	trans-1,2-Dichloroethene	600	U
622-96-8	4-Ethyltoluene	600	U
107-05-1	3-Chloropropene	600	U
540-84-1	2,2,4-Trimethylpentane	600	U
593-60-2	Bromoethene	600	U
95-49-8	2-Chlorotoluene	600	U
110-54-3	n-Hexane	600	U
142-82-5	n-Heptane	600	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-6

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622710

Sample wt/vol: 80.00 (g/mL) ML Lab File ID: 622710D2

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 500.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	250	U
74-87-3	Chloromethane	250	U
75-01-4	Vinyl Chloride	100	U
74-83-9	Bromomethane	100	U
75-00-3	Chloroethane	100	U
75-69-4	Trichlorofluoromethane	100	U
76-13-1	Freon TF	100	U
75-35-4	1,1-Dichloroethene	100	U
75-09-2	Methylene Chloride	250	U
75-34-3	1,1-Dichloroethane	100	U
156-59-2	cis-1,2-Dichloroethene	100	U
67-66-3	Chloroform	100	U
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon Tetrachloride	100	U
71-43-2	Benzene	100	U
107-06-2	1,2-Dichloroethane	100	U
79-01-6	Trichloroethene	240	
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
108-88-3	Toluene	120	
10061-02-6	trans-1,3-Dichloropropene	100	U
79-00-5	1,1,2-Trichloroethane	100	U
127-18-4	Tetrachloroethene	15000	
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
1330-20-7	Xylene (m,p)	100	U
100-42-5	Styrene	100	U
95-47-6	Xylene (o)	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
541-73-1	1,3-Dichlorobenzene	100	U
106-46-7	1,4-Dichlorobenzene	100	U
95-50-1	1,2-Dichlorobenzene	100	U
120-82-1	1,2,4-Trichlorobenzene	250	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-6

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622710

Sample wt/vol: 80.00 (g/mL) ML Lab File ID: 622710D2

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 500.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	100	U
108-67-8	1,3,5-Trimethylbenzene	100	U
95-63-6	1,2,4-Trimethylbenzene	100	U
76-14-2	1,2-Dichlorotetrafluoroethan	100	U
106-93-4	1,2-Dibromoethane	100	U
106-99-0	1,3-Butadiene	100	U
75-15-0	Carbon Disulfide	260	
110-82-7	Cyclohexane	100	U
124-48-1	Dibromochloromethane	100	U
75-25-2	Bromoform	100	U
75-27-4	Bromodichloromethane	100	U
156-60-5	trans-1,2-Dichloroethene	100	U
622-96-8	4-Ethyltoluene	100	U
107-05-1	3-Chloropropene	100	U
540-84-1	2,2,4-Trimethylpentane	100	U
593-60-2	Bromoethene	100	U
95-49-8	2-Chlorotoluene	100	U
110-54-3	n-Hexane	100	U
142-82-5	n-Heptane	100	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-7

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622711

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: 622711

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.20	U
74-83-9	Bromomethane	0.20	U
75-00-3	Chloroethane	0.20	U
75-69-4	Trichlorofluoromethane	1.1	
76-13-1	Freon TF	0.20	U
75-35-4	1,1-Dichloroethene	0.20	U
75-09-2	Methylene Chloride	2.8	
75-34-3	1,1-Dichloroethane	0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	U
67-66-3	Chloroform	0.20	U
71-55-6	1,1,1-Trichloroethane	0.20	U
56-23-5	Carbon Tetrachloride	0.20	U
71-43-2	Benzene	0.22	
107-06-2	1,2-Dichloroethane	0.20	U
79-01-6	Trichloroethene	0.20	U
78-87-5	1,2-Dichloropropane	0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	U
108-88-3	Toluene	4.4	
10061-02-6	trans-1,3-Dichloropropene	0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	U
127-18-4	Tetrachloroethene	12	
108-90-7	Chlorobenzene	0.20	U
100-41-4	Ethylbenzene	0.96	
1330-20-7	Xylene (m,p)	4.2	
100-42-5	Styrene	0.20	U
95-47-6	Xylene (o)	1.5	
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-7

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622711

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: 622711

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	0.20	U
108-67-8	1,3,5-Trimethylbenzene	0.55	
95-63-6	1,2,4-Trimethylbenzene	1.7	
76-14-2	1,2-Dichlorotetrafluoroethan	0.20	U
106-93-4	1,2-Dibromoethane	0.20	U
106-99-0	1,3-Butadiene	0.20	U
75-15-0	Carbon Disulfide	0.50	U
110-82-7	Cyclohexane	0.20	U
124-48-1	Dibromochloromethane	0.20	U
75-25-2	Bromoform	0.20	U
75-27-4	Bromodichloromethane	0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	U
622-96-8	4-Ethyltoluene	1.6	
107-05-1	3-Chloropropene	0.20	U
540-84-1	2,2,4-Trimethylpentane	0.20	U
593-60-2	Bromoethene	0.20	U
95-49-8	2-Chlorotoluene	0.20	U
110-54-3	n-Hexane	1.0	
142-82-5	n-Heptane	0.27	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-8

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622712

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: 622712

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.20	U
74-83-9	Bromomethane	0.20	U
75-00-3	Chloroethane	0.20	U
75-69-4	Trichlorofluoromethane	16	
76-13-1	Freon TF	0.20	U
75-35-4	1,1-Dichloroethene	0.20	U
75-09-2	Methylene Chloride	0.50	U
75-34-3	1,1-Dichloroethane	0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	U
67-66-3	Chloroform	0.31	
71-55-6	1,1,1-Trichloroethane	0.20	U
56-23-5	Carbon Tetrachloride	0.20	U
71-43-2	Benzene	0.35	
107-06-2	1,2-Dichloroethane	0.20	U
79-01-6	Trichloroethene	0.20	U
78-87-5	1,2-Dichloropropane	0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	U
108-88-3	Toluene	3.2	
10061-02-6	trans-1,3-Dichloropropene	0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	U
127-18-4	Tetrachloroethene	15	
108-90-7	Chlorobenzene	0.20	U
100-41-4	Ethylbenzene	0.76	
1330-20-7	Xylene (m,p)	2.4	
100-42-5	Styrene	0.20	U
95-47-6	Xylene (o)	0.73	
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-8

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622712

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: 622712

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	0.20	U
108-67-8	1,3,5-Trimethylbenzene	0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.28	
76-14-2	1,2-Dichlorotetrafluoroethan	0.20	U
106-93-4	1,2-Dibromoethane	0.20	U
106-99-0	1,3-Butadiene	0.42	
75-15-0	Carbon Disulfide	0.50	U
110-82-7	Cyclohexane	0.20	U
124-48-1	Dibromochloromethane	0.20	U
75-25-2	Bromoform	0.20	U
75-27-4	Bromodichloromethane	0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	U
622-96-8	4-Ethyltoluene	0.48	
107-05-1	3-Chloropropene	0.20	U
540-84-1	2,2,4-Trimethylpentane	0.20	U
593-60-2	Bromoethene	0.20	U
95-49-8	2-Chlorotoluene	0.20	U
110-54-3	n-Hexane	0.49	
142-82-5	n-Heptane	0.37	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-9

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622713

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: 622713

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.72	
75-01-4	Vinyl Chloride	0.20	U
74-83-9	Bromomethane	0.20	U
75-00-3	Chloroethane	0.20	U
75-69-4	Trichlorofluoromethane	2.5	
76-13-1	Freon TF	0.20	U
75-35-4	1,1-Dichloroethene	0.20	U
75-09-2	Methylene Chloride	0.50	U
75-34-3	1,1-Dichloroethane	0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	U
67-66-3	Chloroform	0.20	U
71-55-6	1,1,1-Trichloroethane	0.51	
56-23-5	Carbon Tetrachloride	0.20	U
71-43-2	Benzene	6.3	
107-06-2	1,2-Dichloroethane	0.20	U
79-01-6	Trichloroethene	0.38	
78-87-5	1,2-Dichloropropane	0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	U
108-88-3	Toluene	8.1	
10061-02-6	trans-1,3-Dichloropropene	0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	U
127-18-4	Tetrachloroethene	27	
108-90-7	Chlorobenzene	0.20	U
100-41-4	Ethylbenzene	2.3	
1330-20-7	Xylene (m,p)	8.2	
100-42-5	Styrene	0.20	U
95-47-6	Xylene (o)	3.0	
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-9

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622713

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: 622713

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	0.20	U
108-67-8	1,3,5-Trimethylbenzene	0.71	
95-63-6	1,2,4-Trimethylbenzene	1.8	
76-14-2	1,2-Dichlorotetrafluoroethan	0.20	U
106-93-4	1,2-Dibromoethane	0.20	U
106-99-0	1,3-Butadiene	16	
75-15-0	Carbon Disulfide	4.5	
110-82-7	Cyclohexane	0.72	
124-48-1	Dibromochloromethane	0.20	U
75-25-2	Bromoform	0.20	U
75-27-4	Bromodichloromethane	0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	U
622-96-8	4-Ethyltoluene	2.0	
107-05-1	3-Chloropropene	0.20	U
540-84-1	2,2,4-Trimethylpentane	0.20	U
593-60-2	Bromoethene	0.20	U
95-49-8	2-Chlorotoluene	0.20	U
110-54-3	n-Hexane	5.5	
142-82-5	n-Heptane	3.1	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLKK9

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: ABLKK9

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: VGCB01B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/31/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.20	U
74-83-9	Bromomethane	0.20	U
75-00-3	Chloroethane	0.20	U
75-69-4	Trichlorofluoromethane	0.20	U
76-13-1	Freon TF	0.20	U
75-35-4	1,1-Dichloroethene	0.20	U
75-09-2	Methylene Chloride	0.50	U
75-34-3	1,1-Dichloroethane	0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	U
67-66-3	Chloroform	0.20	U
71-55-6	1,1,1-Trichloroethane	0.20	U
56-23-5	Carbon Tetrachloride	0.20	U
71-43-2	Benzene	0.20	U
107-06-2	1,2-Dichloroethane	0.20	U
79-01-6	Trichloroethene	0.20	U
78-87-5	1,2-Dichloropropane	0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	U
108-88-3	Toluene	0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	U
127-18-4	Tetrachloroethene	0.20	U
108-90-7	Chlorobenzene	0.20	U
100-41-4	Ethylbenzene	0.20	U
1330-20-7	Xylene (m,p)	0.20	U
100-42-5	Styrene	0.20	U
95-47-6	Xylene (o)	0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLKK9

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: ABLKK9

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: VGCB01B

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/31/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	0.20	U
108-67-8	1,3,5-Trimethylbenzene	0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	U
76-14-2	1,2-Dichlorotetrafluoroethan	0.20	U
106-93-4	1,2-Dibromoethane	0.20	U
106-99-0	1,3-Butadiene	0.20	U
75-15-0	Carbon Disulfide	0.50	U
110-82-7	Cyclohexane	0.20	U
124-48-1	Dibromochloromethane	0.20	U
75-25-2	Bromoform	0.20	U
75-27-4	Bromodichloromethane	0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	U
622-96-8	4-Ethyltoluene	0.20	U
107-05-1	3-Chloropropene	0.20	U
540-84-1	2,2,4-Trimethylpentane	0.20	U
593-60-2	Bromoethene	0.20	U
95-49-8	2-Chlorotoluene	0.20	U
110-54-3	n-Hexane	0.20	U
142-82-5	n-Heptane	0.20	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLKL4

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: ABLKL4

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: VGCB02C

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	0.50	U
74-87-3	Chloromethane	0.50	U
75-01-4	Vinyl Chloride	0.20	U
74-83-9	Bromomethane	0.20	U
75-00-3	Chloroethane	0.20	U
75-69-4	Trichlorofluoromethane	0.20	U
76-13-1	Freon TF	0.20	U
75-35-4	1,1-Dichloroethene	0.20	U
75-09-2	Methylene Chloride	0.50	U
75-34-3	1,1-Dichloroethane	0.20	U
156-59-2	cis-1,2-Dichloroethene	0.20	U
67-66-3	Chloroform	0.20	U
71-55-6	1,1,1-Trichloroethane	0.20	U
56-23-5	Carbon Tetrachloride	0.20	U
71-43-2	Benzene	0.20	U
107-06-2	1,2-Dichloroethane	0.20	U
79-01-6	Trichloroethene	0.20	U
78-87-5	1,2-Dichloropropane	0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	U
108-88-3	Toluene	0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	U
127-18-4	Tetrachloroethene	0.20	U
108-90-7	Chlorobenzene	0.20	U
100-41-4	Ethylbenzene	0.20	U
1330-20-7	Xylene (m,p)	0.20	U
100-42-5	Styrene	0.20	U
95-47-6	Xylene (o)	0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U
541-73-1	1,3-Dichlorobenzene	0.20	U
106-46-7	1,4-Dichlorobenzene	0.20	U
95-50-1	1,2-Dichlorobenzene	0.20	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLKL4

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: ABLKL4

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: VGCB02C

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	0.20	U
108-67-8	1,3,5-Trimethylbenzene	0.20	U
95-63-6	1,2,4-Trimethylbenzene	0.20	U
76-14-2	1,2-Dichlorotetrafluoroethan	0.20	U
106-93-4	1,2-Dibromoethane	0.20	U
106-99-0	1,3-Butadiene	0.20	U
75-15-0	Carbon Disulfide	0.50	U
110-82-7	Cyclohexane	0.20	U
124-48-1	Dibromochloromethane	0.20	U
75-25-2	Bromoform	0.20	U
75-27-4	Bromodichloromethane	0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	U
622-96-8	4-Ethyltoluene	0.20	U
107-05-1	3-Chloropropene	0.20	U
540-84-1	2,2,4-Trimethylpentane	0.20	U
593-60-2	Bromoethene	0.20	U
95-49-8	2-Chlorotoluene	0.20	U
110-54-3	n-Hexane	0.20	U
142-82-5	n-Heptane	0.20	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

K9LCS

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: K9LCS

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: VGC10BQ3

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/31/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	9.1	
74-87-3	Chloromethane	8.2	
75-01-4	Vinyl Chloride	8.2	
74-83-9	Bromomethane	8.4	
75-00-3	Chloroethane	8.2	
75-69-4	Trichlorofluoromethane	9.2	
76-13-1	Freon TF	9.7	
75-35-4	1,1-Dichloroethene	9.6	
75-09-2	Methylene Chloride	8.6	
75-34-3	1,1-Dichloroethane	9.4	
156-59-2	cis-1,2-Dichloroethene	9.3	
67-66-3	Chloroform	9.7	
71-55-6	1,1,1-Trichloroethane	9.6	
56-23-5	Carbon Tetrachloride	9.8	
71-43-2	Benzene	9.0	
107-06-2	1,2-Dichloroethane	10	
79-01-6	Trichloroethene	9.4	
78-87-5	1,2-Dichloropropane	8.8	
10061-01-5	cis-1,3-Dichloropropene	9.8	
108-88-3	Toluene	9.3	
10061-02-6	trans-1,3-Dichloropropene	8.3	
79-00-5	1,1,2-Trichloroethane	9.0	
127-18-4	Tetrachloroethene	9.1	
108-90-7	Chlorobenzene	9.5	
100-41-4	Ethylbenzene	9.7	
1330-20-7	Xylene (m,p)	20	
100-42-5	Styrene	10	
95-47-6	Xylene (o)	9.7	
79-34-5	1,1,2,2-Tetrachloroethane	9.2	
541-73-1	1,3-Dichlorobenzene	9.1	
106-46-7	1,4-Dichlorobenzene	9.1	
95-50-1	1,2-Dichlorobenzene	9.0	
120-82-1	1,2,4-Trichlorobenzene	8.9	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

K9LCS

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: K9LCS

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: VGC10BQ3

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/31/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	7.6	
108-67-8	1,3,5-Trimethylbenzene	11	
95-63-6	1,2,4-Trimethylbenzene	10	
76-14-2	1,2-Dichlorotetrafluoroethan	8.6	
106-93-4	1,2-Dibromoethane	9.5	
106-99-0	1,3-Butadiene	8.6	
75-15-0	Carbon Disulfide	8.9	
110-82-7	Cyclohexane	8.8	
124-48-1	Dibromochloromethane	9.6	
75-25-2	Bromoform	35	
75-27-4	Bromodichloromethane	9.4	
156-60-5	trans-1,2-Dichloroethene	9.2	
622-96-8	4-Ethyltoluene	8.7	
107-05-1	3-Chloropropene	9.0	
540-84-1	2,2,4-Trimethylpentane	8.9	
593-60-2	Bromoethene	8.9	
95-49-8	2-Chlorotoluene	9.8	
110-54-3	n-Hexane	8.6	
142-82-5	n-Heptane	8.7	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

K9LCSD

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: K9LCSD

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: VGC10BQ4

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/31/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	11	
74-87-3	Chloromethane	9.7	
75-01-4	Vinyl Chloride	9.8	
74-83-9	Bromomethane	10	
75-00-3	Chloroethane	9.8	
75-69-4	Trichlorofluoromethane	11	
76-13-1	Freon TF	11	
75-35-4	1,1-Dichloroethene	11	
75-09-2	Methylene Chloride	10	
75-34-3	1,1-Dichloroethane	11	
156-59-2	cis-1,2-Dichloroethene	11	
67-66-3	Chloroform	11	
71-55-6	1,1,1-Trichloroethane	12	
56-23-5	Carbon Tetrachloride	12	
71-43-2	Benzene	11	
107-06-2	1,2-Dichloroethane	12	
79-01-6	Trichloroethene	11	
78-87-5	1,2-Dichloropropane	11	
10061-01-5	cis-1,3-Dichloropropene	12	
108-88-3	Toluene	10	
10061-02-6	trans-1,3-Dichloropropene	9.9	
79-00-5	1,1,2-Trichloroethane	10	
127-18-4	Tetrachloroethene	10	
108-90-7	Chlorobenzene	11	
100-41-4	Ethylbenzene	11	
1330-20-7	Xylene (m,p)	22	
100-42-5	Styrene	12	
95-47-6	Xylene (o)	11	
79-34-5	1,1,2,2-Tetrachloroethane	11	
541-73-1	1,3-Dichlorobenzene	10	
106-46-7	1,4-Dichlorobenzene	10	
95-50-1	1,2-Dichlorobenzene	10	
120-82-1	1,2,4-Trichlorobenzene	12	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

K9LCSD

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: K9LCSD

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: VGC10BQ4

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 05/31/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	9.6	
108-67-8	1,3,5-Trimethylbenzene	13	
95-63-6	1,2,4-Trimethylbenzene	11	
76-14-2	1,2-Dichlorotetrafluoroethan	10	
106-93-4	1,2-Dibromoethane	11	
106-99-0	1,3-Butadiene	10	
75-15-0	Carbon Disulfide	11	
110-82-7	Cyclohexane	11	
124-48-1	Dibromochloromethane	11	
75-25-2	Bromoform	40	
75-27-4	Bromodichloromethane	11	
156-60-5	trans-1,2-Dichloroethene	11	
622-96-8	4-Ethyltoluene	10	
107-05-1	3-Chloropropene	10	
540-84-1	2,2,4-Trimethylpentane	11	
593-60-2	Bromoethene	11	
95-49-8	2-Chlorotoluene	11	
110-54-3	n-Hexane	10	
142-82-5	n-Heptane	10	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

L4LCS

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: L4LCS

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: VGC10CQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	10	
74-87-3	Chloromethane	8.2	
75-01-4	Vinyl Chloride	8.4	
74-83-9	Bromomethane	9.0	
75-00-3	Chloroethane	8.6	
75-69-4	Trichlorofluoromethane	10	
76-13-1	Freon TF	10	
75-35-4	1,1-Dichloroethene	9.9	
75-09-2	Methylene Chloride	8.7	
75-34-3	1,1-Dichloroethane	9.8	
156-59-2	cis-1,2-Dichloroethene	9.7	
67-66-3	Chloroform	10	
71-55-6	1,1,1-Trichloroethane	11	
56-23-5	Carbon Tetrachloride	11	
71-43-2	Benzene	9.4	
107-06-2	1,2-Dichloroethane	11	
79-01-6	Trichloroethene	10	
78-87-5	1,2-Dichloropropane	9.3	
10061-01-5	cis-1,3-Dichloropropene	10	
108-88-3	Toluene	9.6	
10061-02-6	trans-1,3-Dichloropropene	9.0	
79-00-5	1,1,2-Trichloroethane	9.2	
127-18-4	Tetrachloroethene	9.0	
108-90-7	Chlorobenzene	9.9	
100-41-4	Ethylbenzene	10	
1330-20-7	Xylene (m,p)	20	
100-42-5	Styrene	11	
95-47-6	Xylene (o)	10	
79-34-5	1,1,2,2-Tetrachloroethane	9.5	
541-73-1	1,3-Dichlorobenzene	9.4	
106-46-7	1,4-Dichlorobenzene	9.2	
95-50-1	1,2-Dichlorobenzene	9.1	
120-82-1	1,2,4-Trichlorobenzene	7.4	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

L4LCS

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: L4LCS

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: VGC10CQ

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	6.9	
108-67-8	1,3,5-Trimethylbenzene	11	
95-63-6	1,2,4-Trimethylbenzene	11	
76-14-2	1,2-Dichlorotetrafluoroethan	9.1	
106-93-4	1,2-Dibromoethane	9.9	
106-99-0	1,3-Butadiene	8.9	
75-15-0	Carbon Disulfide	9.1	
110-82-7	Cyclohexane	9.2	
124-48-1	Dibromochloromethane	10	
75-25-2	Bromoform	35	
75-27-4	Bromodichloromethane	10	
156-60-5	trans-1,2-Dichloroethene	9.7	
622-96-8	4-Ethyltoluene	9.7	
107-05-1	3-Chloropropene	9.0	
540-84-1	2,2,4-Trimethylpentane	9.3	
593-60-2	Bromoethene	9.5	
95-49-8	2-Chlorotoluene	10	
110-54-3	n-Hexane	8.8	
142-82-5	n-Heptane	8.9	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

L4LCSD

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: L4LCSD

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: VGC10CQD

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
75-71-8	Dichlorodifluoromethane	12	
74-87-3	Chloromethane	9.6	
75-01-4	Vinyl Chloride	10	
74-83-9	Bromomethane	10	
75-00-3	Chloroethane	9.8	
75-69-4	Trichlorofluoromethane	12	
76-13-1	Freon TF	12	
75-35-4	1,1-Dichloroethene	11	
75-09-2	Methylene Chloride	9.8	
75-34-3	1,1-Dichloroethane	11	
156-59-2	cis-1,2-Dichloroethene	11	
67-66-3	Chloroform	12	
71-55-6	1,1,1-Trichloroethane	13	
56-23-5	Carbon Tetrachloride	13	
71-43-2	Benzene	11	
107-06-2	1,2-Dichloroethane	13	
79-01-6	Trichloroethene	11	
78-87-5	1,2-Dichloropropane	11	
10061-01-5	cis-1,3-Dichloropropene	12	
108-88-3	Toluene	11	
10061-02-6	trans-1,3-Dichloropropene	10	
79-00-5	1,1,2-Trichloroethane	10	
127-18-4	Tetrachloroethene	9.9	
108-90-7	Chlorobenzene	11	
100-41-4	Ethylbenzene	11	
1330-20-7	Xylene (m,p)	22	
100-42-5	Styrene	12	
95-47-6	Xylene (o)	11	
79-34-5	1,1,2,2-Tetrachloroethane	11	
541-73-1	1,3-Dichlorobenzene	10	
106-46-7	1,4-Dichlorobenzene	10	
95-50-1	1,2-Dichlorobenzene	10	
120-82-1	1,2,4-Trichlorobenzene	11	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

L4LCSD

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: L4LCSD

Sample wt/vol: 200.0 (g/mL) ML Lab File ID: VGC10CQD

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/01/05

GC Column: RTX-624 ID: 0.32 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) PPBV	Q
87-68-3	Hexachlorobutadiene	9.2	
108-67-8	1,3,5-Trimethylbenzene	13	
95-63-6	1,2,4-Trimethylbenzene	12	
76-14-2	1,2-Dichlorotetrafluoroethan	11	
106-93-4	1,2-Dibromoethane	11	
106-99-0	1,3-Butadiene	10	
75-15-0	Carbon Disulfide	10	
110-82-7	Cyclohexane	11	
124-48-1	Dibromochloromethane	11	
75-25-2	Bromoform	39	
75-27-4	Bromodichloromethane	12	
156-60-5	trans-1,2-Dichloroethene	11	
622-96-8	4-Ethyltoluene	11	
107-05-1	3-Chloropropene	10	
540-84-1	2,2,4-Trimethylpentane	11	
593-60-2	Bromoethene	11	
95-49-8	2-Chlorotoluene	11	
110-54-3	n-Hexane	9.9	
142-82-5	n-Heptane	10	

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix Spike - Sample No.: K9LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	10		9.1	91	70-130
Chloromethane	10		8.2	82	70-130
Vinyl Chloride	10		8.2	82	70-130
Bromomethane	10		8.4	84	70-130
Chloroethane	10		8.2	82	70-130
Trichlorofluoromethane	10		9.2	92	70-130
Freon TF	10		9.7	97	70-130
1,1-Dichloroethene	10		9.6	96	70-130
Methylene Chloride	10		8.6	86	70-130
1,1-Dichloroethane	10		9.4	94	70-130
cis-1,2-Dichloroethene	10		9.3	93	70-130
Chloroform	10		9.7	97	70-130
1,1,1-Trichloroethane	10		9.6	96	70-130
Carbon Tetrachloride	10		9.8	98	70-130
Benzene	10		9.0	90	70-130
1,2-Dichloroethane	10		10	100	70-130
Trichloroethene	10		9.4	94	70-130
1,2-Dichloropropane	10		8.8	88	70-130
cis-1,3-Dichloropropene	10		9.8	98	70-130
Toluene	10		9.3	93	70-130
trans-1,3-Dichloroprope	10		8.3	83	70-130
1,1,2-Trichloroethane	10		9.0	90	70-130
Tetrachloroethene	10		9.1	91	70-130
Chlorobenzene	10		9.5	95	70-130
Ethylbenzene	10		9.7	97	70-130
Xylene (m,p)	20		20	100	70-130
Styrene	10		10	100	70-130
Xylene (o)	10		9.7	97	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix Spike - Sample No.: K9LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
1,1,2,2-Tetrachloroetha	10		9.2	92	70-130
1,3-Dichlorobenzene	10		9.1	91	70-130
1,4-Dichlorobenzene	10		9.1	91	70-130
1,2-Dichlorobenzene	10		9.0	90	70-130
1,2,4-Trichlorobenzene	10		8.9	89	70-130
Hexachlorobutadiene	10		7.6	76	70-130
1,3,5-Trimethylbenzene	10		11	110	70-130
1,2,4-Trimethylbenzene	10		10	100	70-130
1,2-Dichlorotetrafluoro	10		8.6	86	70-130
1,2-Dibromoethane	10		9.5	95	70-130
1,3-Butadiene	10		8.6	86	70-130
Carbon Disulfide	10		8.9	89	70-130
Cyclohexane	10		8.8	88	70-130
Dibromochloromethane	10		9.6	96	70-130
Bromoform	40		35	88	70-130
Bromodichloromethane	10		9.4	94	70-130
trans-1,2-Dichloroethen	10		9.2	92	70-130
4-Ethyltoluene	10		8.7	87	70-130
3-Chloropropene	10		9.0	90	70-130
2,2,4-Trimethylpentane	10		8.9	89	70-130
Bromoethene	10		8.9	89	70-130
2-Chlorotoluene	10		9.8	98	70-130
n-Hexane	10		8.6	86	70-130
n-Heptane	10		8.7	87	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix Spike - Sample No.: K9LCS

COMPOUND	SPIKE ADDED (ppbv)	LCSD CONCENTRATION (ppbv)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	10	11	110	19	40	70-130
Chloromethane	10	9.7	97	17	40	70-130
Vinyl Chloride	10	9.8	98	18	40	70-130
Bromomethane	10	10	100	17	40	70-130
Chloroethane	10	9.8	98	18	40	70-130
Trichlorofluoromethane	10	11	110	18	40	70-130
Freon TF	10	11	110	12	40	70-130
1,1-Dichloroethene	10	11	110	14	40	70-130
Methylene Chloride	10	10	100	15	40	70-130
1,1-Dichloroethane	10	11	110	16	40	70-130
cis-1,2-Dichloroethene	10	11	110	17	40	70-130
Chloroform	10	11	110	12	40	70-130
1,1,1-Trichloroethane	10	12	120	22	40	70-130
Carbon Tetrachloride	10	12	120	20	40	70-130
Benzene	10	11	110	20	40	70-130
1,2-Dichloroethane	10	12	120	18	40	70-130
Trichloroethene	10	11	110	16	40	70-130
1,2-Dichloropropane	10	11	110	22	40	70-130
cis-1,3-Dichloropropene	10	12	120	20	40	70-130
Toluene	10	10	100	7	40	70-130
trans-1,3-Dichloroprope	10	9.9	99	18	40	70-130
1,1,2-Trichloroethane	10	10	100	10	40	70-130
Tetrachloroethene	10	10	100	9	40	70-130
Chlorobenzene	10	11	110	15	40	70-130
Ethylbenzene	10	11	110	12	40	70-130
Xylene (m,p)	20	22	110	10	40	70-130
Styrene	10	12	120	18	40	70-130
Xylene (o)	10	11	110	12	40	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix Spike - Sample No.: K9LCS

COMPOUND	SPIKE ADDED (ppbv)	LCSD CONCENTRATION (ppbv)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,2,2-Tetrachloroetha	10	11	110	18	40	70-130
1,3-Dichlorobenzene	10	10	100	9	40	70-130
1,4-Dichlorobenzene	10	10	100	9	40	70-130
1,2-Dichlorobenzene	10	10	100	10	40	70-130
1,2,4-Trichlorobenzene	10	12	120	30	40	70-130
Hexachlorobutadiene	10	9.6	96	23	40	70-130
1,3,5-Trimethylbenzene	10	13	130	17	40	70-130
1,2,4-Trimethylbenzene	10	11	110	10	40	70-130
1,2-Dichlorotetrafluoro	10	10	100	15	40	70-130
1,2-Dibromoethane	10	11	110	15	40	70-130
1,3-Butadiene	10	10	100	15	40	70-130
Carbon Disulfide	10	11	110	21	40	70-130
Cyclohexane	10	11	110	22	40	70-130
Dibromochloromethane	10	11	110	14	40	70-130
Bromoform	40	40	100	13	40	70-130
Bromodichloromethane	10	11	110	16	40	70-130
trans-1,2-Dichloroethen	10	11	110	18	40	70-130
4-Ethyltoluene	10	10	100	14	40	70-130
3-Chloropropene	10	10	100	10	40	70-130
2,2,4-Trimethylpentane	10	11	110	21	40	70-130
Bromoethene	10	11	110	21	40	70-130
2-Chlorotoluene	10	11	110	12	40	70-130
n-Hexane	10	10	100	15	40	70-130
n-Heptane	10	10	100	14	40	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 52 outside limits
Spike Recovery: 0 out of 104 outside limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix Spike - Sample No.: L4LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
Dichlorodifluoromethane	10		10	100	70-130
Chloromethane	10		8.2	82	70-130
Vinyl Chloride	10		8.4	84	70-130
Bromomethane	10		9.0	90	70-130
Chloroethane	10		8.6	86	70-130
Trichlorofluoromethane	10		10	100	70-130
Freon TF	10		10	100	70-130
1,1-Dichloroethene	10		9.9	99	70-130
Methylene Chloride	10		8.7	87	70-130
1,1-Dichloroethane	10		9.8	98	70-130
cis-1,2-Dichloroethene	10		9.7	97	70-130
Chloroform	10		10	100	70-130
1,1,1-Trichloroethane	10		11	110	70-130
Carbon Tetrachloride	10		11	110	70-130
Benzene	10		9.4	94	70-130
1,2-Dichloroethane	10		11	110	70-130
Trichloroethene	10		10	100	70-130
1,2-Dichloropropane	10		9.3	93	70-130
cis-1,3-Dichloropropene	10		10	100	70-130
Toluene	10		9.6	96	70-130
trans-1,3-Dichloroprope	10		9.0	90	70-130
1,1,2-Trichloroethane	10		9.2	92	70-130
Tetrachloroethene	10		9.0	90	70-130
Chlorobenzene	10		9.9	99	70-130
Ethylbenzene	10		10	100	70-130
Xylene (m,p)	20		20	100	70-130
Styrene	10		11	110	70-130
Xylene (o)	10		10	100	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix Spike - Sample No.: L4LCS

COMPOUND	SPIKE ADDED (ppbv)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ppbv)	LCS % REC #	QC. LIMITS REC.
1,1,2,2-Tetrachloroetha	10		9.5	95	70-130
1,3-Dichlorobenzene	10		9.4	94	70-130
1,4-Dichlorobenzene	10		9.2	92	70-130
1,2-Dichlorobenzene	10		9.1	91	70-130
1,2,4-Trichlorobenzene	10		7.4	74	70-130
Hexachlorobutadiene	10		6.9	69*	70-130
1,3,5-Trimethylbenzene	10		11	110	70-130
1,2,4-Trimethylbenzene	10		11	110	70-130
1,2-Dichlorotetrafluoro	10		9.1	91	70-130
1,2-Dibromoethane	10		9.9	99	70-130
1,3-Butadiene	10		8.9	89	70-130
Carbon Disulfide	10		9.1	91	70-130
Cyclohexane	10		9.2	92	70-130
Dibromochloromethane	10		10	100	70-130
Bromoform	40		35	88	70-130
Bromodichloromethane	10		10	100	70-130
trans-1,2-Dichloroethen	10		9.7	97	70-130
4-Ethyltoluene	10		9.7	97	70-130
3-Chloropropene	10		9.0	90	70-130
2,2,4-Trimethylpentane	10		9.3	93	70-130
Bromoethene	10		9.5	95	70-130
2-Chlorotoluene	10		10	100	70-130
n-Hexane	10		8.8	88	70-130
n-Heptane	10		8.9	89	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix Spike - Sample No.: L4LCS

COMPOUND	SPIKE ADDED (ppbv)	LCSD CONCENTRATION (ppbv)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dichlorodifluoromethane	10	12	120	18	40	70-130
Chloromethane	10	9.6	96	16	40	70-130
Vinyl Chloride	10	10	100	17	40	70-130
Bromomethane	10	10	100	10	40	70-130
Chloroethane	10	9.8	98	13	40	70-130
Trichlorofluoromethane	10	12	120	18	40	70-130
Freon TF	10	12	120	18	40	70-130
1,1-Dichloroethene	10	11	110	10	40	70-130
Methylene Chloride	10	9.8	98	12	40	70-130
1,1-Dichloroethane	10	11	110	12	40	70-130
cis-1,2-Dichloroethene	10	11	110	12	40	70-130
Chloroform	10	12	120	18	40	70-130
1,1,1-Trichloroethane	10	13	130	17	40	70-130
Carbon Tetrachloride	10	13	130	17	40	70-130
Benzene	10	11	110	16	40	70-130
1,2-Dichloroethane	10	13	130	17	40	70-130
Trichloroethene	10	11	110	10	40	70-130
1,2-Dichloropropane	10	11	110	17	40	70-130
cis-1,3-Dichloropropene	10	12	120	18	40	70-130
Toluene	10	11	110	14	40	70-130
trans-1,3-Dichloroprope	10	10	100	10	40	70-130
1,1,2-Trichloroethane	10	10	100	8	40	70-130
Tetrachloroethene	10	9.9	99	10	40	70-130
Chlorobenzene	10	11	110	10	40	70-130
Ethylbenzene	10	11	110	10	40	70-130
Xylene (m,p)	20	22	110	10	40	70-130
Styrene	10	12	120	9	40	70-130
Xylene (o)	10	11	110	10	40	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

FORM 3
AIR VOLATILE LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix Spike - Sample No.: L4LCS

COMPOUND	SPIKE ADDED (ppbv)	LCSD CONCENTRATION (ppbv)	LCSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,2,2-Tetrachloroetha	10	11	110	15	40	70-130
1,3-Dichlorobenzene	10	10	100	6	40	70-130
1,4-Dichlorobenzene	10	10	100	8	40	70-130
1,2-Dichlorobenzene	10	10	100	9	40	70-130
1,2,4-Trichlorobenzene	10	11	110	39	40	70-130
Hexachlorobutadiene	10	9.2	92	28	40	70-130
1,3,5-Trimethylbenzene	10	13	130	17	40	70-130
1,2,4-Trimethylbenzene	10	12	120	9	40	70-130
1,2-Dichlorotetrafluoro	10	11	110	19	40	70-130
1,2-Dibromoethane	10	11	110	10	40	70-130
1,3-Butadiene	10	10	100	12	40	70-130
Carbon Disulfide	10	10	100	9	40	70-130
Cyclohexane	10	11	110	18	40	70-130
Dibromochloromethane	10	11	110	10	40	70-130
Bromoform	40	39	98	11	40	70-130
Bromodichloromethane	10	12	120	18	40	70-130
trans-1,2-Dichloroethen	10	11	110	12	40	70-130
4-Ethyltoluene	10	11	110	12	40	70-130
3-Chloropropene	10	10	100	10	40	70-130
2,2,4-Trimethylpentane	10	11	110	17	40	70-130
Bromoethene	10	11	110	15	40	70-130
2-Chlorotoluene	10	11	110	10	40	70-130
n-Hexane	10	9.9	99	12	40	70-130
n-Heptane	10	10	100	12	40	70-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 52 outside limits
Spike Recovery: 1 out of 104 outside limits

COMMENTS: _____

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLKK9

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Lab File ID: VGCB01B Lab Sample ID: ABLKK9

Date Analyzed: 05/31/05 Time Analyzed: 1305

GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: V

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	K9LCS	K9LCS	VGC10BQ3	1115
02	K9LCSD	K9LCSD	VGC10BQ4	1158
03	SG-1	622705	622705	2356
04	SG-3	622707	622707D	0126
05	SG-9	622713	622713	0557
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COMMENTS:

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLKL4

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Lab File ID: VGCB02C Lab Sample ID: ABLKL4

Date Analyzed: 06/01/05 Time Analyzed: 1320

GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

Instrument ID: V

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	L4LCS	L4LCS	VGC10CQ	1044
02	L4LCSD	L4LCSD	VGC10CQD	1132
03	SG-2	622706	622706D2	1715
04	SG-4	622708	622708D2	1802
05	SG-5	622709	622709D2	1848
06	SG-6	622710	622710D2	1933
07	SG-7	622711	622711	2019
08	SG-8	622712	622712	2105
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COMMENTS:

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Lab File ID: VGC002P BFB Injection Date: 05/26/05

Instrument ID: V BFB Injection Time: 0948

GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	14.5
75	30.0 - 66.0% of mass 95	37.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	111.0
175	4.0 - 9.0% of mass 174	8.2 (7.4)1
176	93.0 - 101.0% of mass 174	107.8 (97.1)1
177	5.0 - 9.0% of mass 176	7.1 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD0002	ASTD0002	VGC0002A	05/26/05	1116
02	ASTD0005	ASTD0005	VGC0005	05/26/05	1201
03	ASTD005	ASTD005	VGC005	05/26/05	1246
04	ASTD010	ASTD010	VGC010	05/26/05	1329
05	ASTD015	ASTD015	VGC015	05/26/05	1415
06	ASTD020	ASTD020	VGC020	05/26/05	1501
07	ASTD040	ASTD040	VGC040	05/26/05	1548
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Lab File ID: VGC004P BFB Injection Date: 05/31/05

Instrument ID: V BFB Injection Time: 0717

GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.7
75	30.0 - 66.0% of mass 95	39.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	82.8
175	4.0 - 9.0% of mass 174	5.9 (7.1)1
176	93.0 - 101.0% of mass 174	79.6 (96.2)1
177	5.0 - 9.0% of mass 176	5.2 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD010	ASTD010	VGC10B	05/31/05	0759
02	K9LCS	K9LCS	VGC10BQ3	05/31/05	1115
03	K9LCSD	K9LCSD	VGC10BQ4	05/31/05	1158
04	ABLKK9	ABLKK9	VGCB01B	05/31/05	1305
05	SG-1	622705	622705	05/31/05	2356
06	SG-3	622707	622707D	06/01/05	0126
07	SG-9	622713	622713	06/01/05	0557
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FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Lab File ID: VGC005P BFB Injection Date: 06/01/05

Instrument ID: V BFB Injection Time: 0912

GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	8.0 - 40.0% of mass 95	15.7
75	30.0 - 66.0% of mass 95	40.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 120.0% of mass 95	75.5
175	4.0 - 9.0% of mass 174	5.3 (7.1)1
176	93.0 - 101.0% of mass 174	72.3 (95.8)1
177	5.0 - 9.0% of mass 176	4.7 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	ASTD010	ASTD010	VGC10C	06/01/05	1000
02	L4LCS	L4LCS	VGC10CQ	06/01/05	1044
03	L4LCSD	L4LCSD	VGC10CQD	06/01/05	1132
04	ABLKL4	ABLKL4	VGCB02C	06/01/05	1320
05	SG-2	622706	622706D2	06/01/05	1715
06	SG-4	622708	622708D2	06/01/05	1802
07	SG-5	622709	622709D2	06/01/05	1848
08	SG-6	622710	622710D2	06/01/05	1933
09	SG-7	622711	622711	06/01/05	2019
10	SG-8	622712	622712	06/01/05	2105
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6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Instrument ID: V Calibration Date(s): 05/26/05 05/26/05

Heated Purge: (Y/N) N Calibration Time(s): 1116 1548

GC Column: RTX-624 ID: 0.32 (mm)

LAB FILE ID: RRF0.2=VGC0002A RRF0.5=VGC0005
RRF2 = RRF5 =VGC005 RRF10 =VGC010

	COMPOUND	RRF0.2	RRF0.5	RRF2	RRF5	RRF10	$\overline{RRF}$	% RSD	
	Dichlorodifluoromethane		2.471		2.227	2.026			
	Chloromethane		0.952		0.853	0.751			
	Vinyl Chloride	1.075	0.943		0.894	0.803			
	Bromomethane	1.321	1.329		1.189	1.062			
	Chloroethane	0.595	0.505		0.452	0.413			
	Trichlorofluoromethane	2.533	2.357		2.170	1.965			
	Freon TF	2.377	2.182		2.009	1.835			
	1,1-Dichloroethene	1.054	0.983		0.924	0.840			
	Methylene Chloride		1.514		1.029	0.902			
*	1,1-Dichloroethane	1.669	1.537		1.403	1.260			*
	cis-1,2-Dichloroethene	1.275	1.091		1.018	0.922			
	Chloroform	2.146	1.924		1.760	1.615			
	1,1,1-Trichloroethane	0.506	0.438		0.412	0.373			
	Carbon Tetrachloride	0.540	0.476		0.454	0.413			
	Benzene	0.730	0.661		0.607	0.536			
	1,2-Dichloroethane	0.279	0.240		0.226	0.203			
	Trichloroethene	0.368	0.328		0.308	0.278			
	1,2-Dichloropropane	0.285	0.240		0.224	0.197			
	cis-1,3-Dichloropropene	0.429	0.380		0.362	0.325			
	Toluene	0.638	0.555		0.504	0.464			
	trans-1,3-Dichloropropene	0.388	0.357		0.352	0.325			
	1,1,2-Trichloroethane	0.383	0.311		0.283	0.261			
	Tetrachloroethene	0.588	0.504		0.471	0.448			
*	Chlorobenzene	0.889	0.776		0.720	0.673			*
	Ethylbenzene	1.310	1.115		1.042	0.960			
	Xylene (m,p)	0.528	0.442		0.419	0.391			
	Styrene	0.801	0.607		0.658	0.643			
	Xylene (o)	0.516	0.438		0.417	0.386			
	1,1,2,2-Tetrachloroethane	0.980	0.854		0.774	0.709			
	1,3-Dichlorobenzene	0.937	0.786		0.720	0.678			
	1,4-Dichlorobenzene	0.930	0.791		0.707	0.666			
	1,2-Dichlorobenzene	0.901	0.779		0.688	0.649			
	1,2,4-Trichlorobenzene		0.456		0.324	0.250			
	Hexachlorobutadiene	0.452	0.399		0.260	0.215			
	1,3,5-Trimethylbenzene	1.036	0.830		0.901	0.857			
	1,2,4-Trimethylbenzene	1.110	0.914		0.911	0.864			
	1,2-Dichlorotetrafluoroethan	3.408	3.018		2.852	2.551			

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Instrument ID: V Calibration Date(s): 05/26/05 05/26/05

Heated Purge: (Y/N) N Calibration Time(s): 1116 1548

GC Column: RTX-624 ID: 0.32 (mm)

LAB FILE ID: RRF0.2=VGC0002A RRF0.5=VGC0005
RRF2 = RRF5 =VGC005 RRF10 =VGC010

COMPOUND	RRF0.2	RRF0.5	RRF2	RRF5	RRF10	$\overline{RRF}$	% RSD
1,2-Dibromoethane	0.784	0.654		0.608	0.568		
1,3-Butadiene	0.608	0.571		0.549	0.530		
Carbon Disulfide		3.529		2.974	2.656		
Cyclohexane	0.357	0.315		0.286	0.255		
Dibromochloromethane	0.801	0.719		0.682	0.648		
Bromoform	0.793	0.694		0.672	0.648		
Bromodichloromethane	0.580	0.505		0.484	0.440		
trans-1,2-Dichloroethene	1.363	1.228		1.143	1.024		
4-Ethyltoluene	1.833	1.508		1.420	1.376		
3-Chloropropene	1.168	1.025		0.953	0.887		
2,2,4-Trimethylpentane	1.034	0.952		0.885	0.767		
Bromoethene	1.298	1.151		1.083	0.981		
2-Chlorotoluene	1.132	1.012		0.964	0.863		
n-Hexane	1.494	1.285		1.152	1.052		
n-Heptane	0.438	0.374		0.348	0.308		

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Instrument ID: V Calibration Date(s): 05/26/05 05/26/05

Heated Purge: (Y/N) N Calibration Time(s): 1116 1548

GC Column: RTX-624 ID: 0.32 (mm)

LAB FILE ID: RRF15 =VGC015 RRF20 =VGC020
RRF40 =VGC040

COMPOUND		RRF15	RRF20	RRF40			$\overline{RRF}$	% RSD
Dichlorodifluoromethane			2.174	2.128			2.205	7.5
Chloromethane			0.817	0.790			0.833	9.2
Vinyl Chloride			0.858	0.834			0.901	10.9
Bromomethane			1.122	1.101			1.187	9.6
Chloroethane			0.428	0.418			0.468	15.0
Trichlorofluoromethane			2.085	2.054			2.194	9.7
Freon TF			1.931	1.792			2.021	11.0
1,1-Dichloroethene			0.891	0.831			0.920	9.3
Methylene Chloride			0.919	0.981			1.069	23.7
1,1-Dichloroethane	*		1.290	1.179			1.390	13.3*
cis-1,2-Dichloroethene			0.936	0.825			1.011	15.6
Chloroform			1.671	1.603			1.786	11.9
1,1,1-Trichloroethane			0.408	0.381			0.420	11.5
Carbon Tetrachloride			0.467	0.447			0.466	9.0
Benzene			0.551	0.450			0.589	16.8
1,2-Dichloroethane			0.227	0.214			0.232	11.5
Trichloroethene			0.298	0.269			0.308	11.7
1,2-Dichloropropane			0.196	0.157			0.216	20.2
cis-1,3-Dichloropropene			0.352	0.318			0.361	11.2
Toluene			0.497	0.445			0.517	13.5
trans-1,3-Dichloropropene			0.347	0.318			0.348	7.2
1,1,2-Trichloroethane			0.273	0.243			0.292	17.1
Tetrachloroethene			0.486	0.421			0.486	11.8
Chlorobenzene	*		0.718	0.646			0.737	11.8*
Ethylbenzene			1.002	0.875			1.051	14.3
Xylene (m,p)			0.384	0.297			0.410	18.5
Styrene			0.648	0.523			0.647	14.0
Xylene (o)			0.385	0.307			0.408	16.9
1,1,2,2-Tetrachloroethane			0.711	0.620			0.775	16.4
1,3-Dichlorobenzene			0.725	0.678			0.754	13.0
1,4-Dichlorobenzene			0.708	0.685			0.748	13.2
1,2-Dichlorobenzene			0.684	0.653			0.726	13.5
1,2,4-Trichlorobenzene			0.244	0.301			0.315	27.2
Hexachlorobutadiene			0.205	0.234			0.294	35.6
1,3,5-Trimethylbenzene			0.825	0.738			0.864	11.5
1,2,4-Trimethylbenzene			0.878	0.806			0.914	11.4
1,2-Dichlorotetrafluoroethan			2.735	2.557			2.854	11.4

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Instrument ID: V Calibration Date(s): 05/26/05 05/26/05

Heated Purge: (Y/N) N Calibration Time(s): 1116 1548

GC Column: RTX-624 ID: 0.32 (mm)

LAB FILE ID: RRF15 =VGC015 RRF20 =VGC020
RRF40 =VGC040

COMPOUND	RRF15	RRF20	RRF40			$\overline{RRF}$	% RSD
1,2-Dibromoethane		0.614	0.564			0.632	12.9
1,3-Butadiene		0.556	0.537			0.558	5.1
Carbon Disulfide		2.769	2.594			2.904	13.0
Cyclohexane		0.270	0.237			0.287	15.1
Dibromochloromethane		0.708	0.661			0.703	7.8
Bromoform		0.716	0.668			0.698	7.4
Bromodichloromethane		0.474	0.435			0.486	10.9
trans-1,2-Dichloroethene		1.053	0.959			1.128	13.2
4-Ethyltoluene		1.438	1.163			1.456	15.0
3-Chloropropene		0.917	0.858			0.968	11.8
2,2,4-Trimethylpentane		0.779	0.630			0.841	17.2
Bromoethene		1.034	1.015			1.094	10.6
2-Chlorotoluene		0.840	0.696			0.918	16.5
n-Hexane		1.067	0.972			1.170	16.3
n-Heptane		0.313	0.267			0.341	17.6

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Instrument ID: V Calibration Date: 05/31/05 Time: 0759

Lab File ID: VGC10B Init. Calib. Date(s): 05/26/05 05/26/05

Heated Purge: (Y/N) N Init. Calib. Times: 1116 1548

GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	2.205	2.252	0.01	2.1	30.0
Chloromethane	0.833	0.811	0.01	2.6	30.0
Vinyl Chloride	0.901	0.838	0.01	7.0	30.0
Bromomethane	1.187	1.065	0.01	10.3	30.0
Chloroethane	0.468	0.421	0.01	10.0	30.0
Trichlorofluoromethane	2.194	2.066	0.01	5.8	30.0
Freon TF	2.021	1.847	0.01	8.6	30.0
1,1-Dichloroethene	0.920	0.834	0.01	9.3	30.0
Methylene Chloride	1.069	0.925	0.01	13.5	30.0
1,1-Dichloroethane	1.390	1.283	0.1	7.7	30.0
cis-1,2-Dichloroethene	1.011	0.906	0.01	10.4	30.0
Chloroform	1.786	1.650	0.01	7.6	30.0
1,1,1-Trichloroethane	0.420	0.382	0.01	9.0	30.0
Carbon Tetrachloride	0.466	0.417	0.01	10.5	30.0
Benzene	0.589	0.516	0.01	12.4	30.0
1,2-Dichloroethane	0.232	0.219	0.01	5.6	30.0
Trichloroethene	0.308	0.271	0.01	12.0	30.0
1,2-Dichloropropane	0.216	0.187	0.01	13.4	30.0
cis-1,3-Dichloropropene	0.361	0.318	0.01	11.9	30.0
Toluene	0.517	0.476	0.01	7.9	30.0
trans-1,3-Dichloropropene	0.348	0.320	0.01	8.0	30.0
1,1,2-Trichloroethane	0.292	0.264	0.01	9.6	30.0
Tetrachloroethene	0.486	0.412	0.01	15.2	30.0
Chlorobenzene	0.737	0.674	0.3	8.5	30.0
Ethylbenzene	1.051	0.976	0.01	7.1	30.0
Xylene (m,p)	0.410	0.388	0.01	5.4	30.0
Styrene	0.647	0.634	0.01	2.0	30.0
Xylene (o)	0.408	0.385	0.01	5.6	30.0
1,1,2,2-Tetrachloroethane	0.775	0.708	0.01	8.6	30.0
1,3-Dichlorobenzene	0.754	0.652	0.01	13.5	30.0
1,4-Dichlorobenzene	0.748	0.638	0.01	14.7	30.0
1,2-Dichlorobenzene	0.726	0.624	0.01	14.0	30.0
1,2,4-Trichlorobenzene	0.315	0.312	0.01	1.0	30.0
Hexachlorobutadiene	0.294	0.236	0.01	19.7	30.0
1,3,5-Trimethylbenzene	0.864	1.070	0.01	23.8	30.0
1,2,4-Trimethylbenzene	0.914	0.886	0.01	3.1	30.0
1,2-Dichlorotetrafluoroethan	2.854	2.724	0.01	4.6	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Instrument ID: V Calibration Date: 05/31/05 Time: 0759

Lab File ID: VGC10B Init. Calib. Date(s): 05/26/05 05/26/05

Heated Purge: (Y/N) N Init. Calib. Times: 1116 1548

GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.632	0.578	0.01	8.5	30.0
1,3-Butadiene	0.558	0.545	0.01	2.3	30.0
Carbon Disulfide	2.904	2.664	0.01	8.3	30.0
Cyclohexane	0.287	0.248	0.01	13.6	30.0
Dibromochloromethane	0.703	0.646	0.01	8.1	30.0
Bromoform	0.698	0.605	0.01	13.3	30.0
Bromodichloromethane	0.486	0.439	0.01	9.7	30.0
trans-1,2-Dichloroethene	1.128	1.062	0.01	5.8	30.0
4-Ethyltoluene	1.456	1.171	0.01	19.6	30.0
3-Chloropropene	0.968	0.906	0.01	6.4	30.0
2,2,4-Trimethylpentane	0.841	0.742	0.01	11.8	30.0
Bromoethene	1.094	0.964	0.01	11.9	30.0
2-Chlorotoluene	0.918	0.872	0.01	5.0	30.0
n-Hexane	1.170	1.044	0.01	10.8	30.0
n-Heptane	0.341	0.298	0.01	12.6	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Instrument ID: V Calibration Date: 06/01/05 Time: 1000

Lab File ID: VGC10C Init. Calib. Date(s): 05/26/05 05/26/05

Heated Purge: (Y/N) N Init. Calib. Times: 1116 1548

GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D	
Dichlorodifluoromethane	2.205	2.645	0.01	20.0	30.0	
Chloromethane	0.833	0.850	0.01	2.0	30.0	
Vinyl Chloride	0.901	0.931	0.01	3.3	30.0	
Bromomethane	1.187	1.260	0.01	6.1	30.0	
Chloroethane	0.468	0.480	0.01	2.6	30.0	
Trichlorofluoromethane	2.194	2.691	0.01	22.6	30.0	
Freon TF	2.021	2.223	0.01	10.0	30.0	
1,1-Dichloroethene	0.920	0.976	0.01	6.1	30.0	
Methylene Chloride	1.069	1.007	0.01	5.8	30.0	
1,1-Dichloroethane	1.390	1.485	0.1	6.8	30.0	
cis-1,2-Dichloroethene	1.011	1.085	0.01	7.3	30.0	
Chloroform	1.786	2.017	0.01	12.9	30.0	
1,1,1-Trichloroethane	0.420	0.505	0.01	20.2	30.0	
Carbon Tetrachloride	0.466	0.574	0.01	23.2	30.0	
Benzene	0.589	0.618	0.01	4.9	30.0	
1,2-Dichloroethane	0.232	0.283	0.01	22.0	30.0	
Trichloroethene	0.308	0.340	0.01	10.4	30.0	
1,2-Dichloropropane	0.216	0.224	0.01	3.7	30.0	
cis-1,3-Dichloropropene	0.361	0.394	0.01	9.1	30.0	
Toluene	0.517	0.516	0.01	0.2	30.0	
trans-1,3-Dichloropropene	0.348	0.401	0.01	15.2	30.0	
1,1,2-Trichloroethane	0.292	0.286	0.01	2.0	30.0	
Tetrachloroethene	0.486	0.447	0.01	8.0	30.0	
Chlorobenzene	0.737	0.753	0.3	2.2	30.0	
Ethylbenzene	1.051	1.088	0.01	3.5	30.0	
Xylene (m,p)	0.410	0.434	0.01	5.8	30.0	
Styrene	0.647	0.706	0.01	9.1	30.0	
Xylene (o)	0.408	0.427	0.01	4.6	30.0	
1,1,2,2-Tetrachloroethane	0.775	0.777	0.01	0.2	30.0	
1,3-Dichlorobenzene	0.754	0.740	0.01	1.8	30.0	
1,4-Dichlorobenzene	0.748	0.721	0.01	3.6	30.0	
1,2-Dichlorobenzene	0.726	0.709	0.01	2.3	30.0	
1,2,4-Trichlorobenzene	0.315	0.347	0.01	10.2	30.0	
Hexachlorobutadiene	0.294	0.272	0.01	7.5	30.0	
1,3,5-Trimethylbenzene	0.864	1.145	0.01	32.5	30.0	<-
1,2,4-Trimethylbenzene	0.914	1.016	0.01	11.2	30.0	
1,2-Dichlorotetrafluoroethan	2.854	3.111	0.01	9.0	30.0	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Instrument ID: V Calibration Date: 06/01/05 Time: 1000

Lab File ID: VGC10C Init. Calib. Date(s): 05/26/05 05/26/05

Heated Purge: (Y/N) N Init. Calib. Times: 1116 1548

GC Column: RTX-624 ID: 0.32 (mm)

COMPOUND	$\overline{RRF}$	RRF10	MIN RRF	%D	MAX %D
1,2-Dibromoethane	0.632	0.643	0.01	1.7	30.0
1,3-Butadiene	0.558	0.589	0.01	5.6	30.0
Carbon Disulfide	2.904	3.025	0.01	4.2	30.0
Cyclohexane	0.287	0.306	0.01	6.6	30.0
Dibromochloromethane	0.703	0.752	0.01	7.0	30.0
Bromoform	0.698	0.685	0.01	1.9	30.0
Bromodichloromethane	0.486	0.560	0.01	15.2	30.0
trans-1,2-Dichloroethene	1.128	1.221	0.01	8.2	30.0
4-Ethyltoluene	1.456	1.348	0.01	7.4	30.0
3-Chloropropene	0.968	0.976	0.01	0.8	30.0
2,2,4-Trimethylpentane	0.841	0.888	0.01	5.6	30.0
Bromoethene	1.094	1.157	0.01	5.8	30.0
2-Chlorotoluene	0.918	0.991	0.01	8.0	30.0
n-Hexane	1.170	1.168	0.01	0.2	30.0
n-Heptane	0.341	0.350	0.01	2.6	30.0

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Lab File ID (Standard): VGC10B Date Analyzed: 05/31/05

Instrument ID: V Time Analyzed: 0759

GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

		IS1 (BCM) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DFB) AREA #	RT #
	12 HOUR STD	914966	9.22	3166265	12.29	3743578	10.02
	UPPER LIMIT	1280952	9.55	4432771	12.62	5241009	10.35
	LOWER LIMIT	548980	8.89	1899759	11.96	2246147	9.69
	CLIENT SAMPLE NO.						
01	K9LCS	928966	9.21	3310350	12.29	3815196	10.01
02	K9LCSD	791161	9.21	2857828	12.28	3149318	10.02
03	ABLKK9	734383	9.21	2637348	12.29	2960130	10.01
04	SG-1	757125	9.20	2878322	12.29	3062750	10.01
05	SG-3	718269	9.20	2700362	12.29	2945366	10.01
06	SG-9	772331	9.20	2958042	12.27	3220672	10.01
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22							

IS1 (BCM) = Bromochloromethane
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DFB) = 1,4-Difluorobenzene

AREA UPPER LIMIT = + 40% of internal standard area
AREA LOWER LIMIT = - 40% of internal standard area
RT UPPER LIMIT = + 0.33 minutes of internal standard RT
RT LOWER LIMIT = - 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Lab File ID (Standard): VGC10C Date Analyzed: 06/01/05

Instrument ID: V Time Analyzed: 1000

GC Column: RTX-624 ID: 0.32 (mm) Heated Purge: (Y/N) N

		IS1 (BCM) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DFB) AREA #	RT #
	12 HOUR STD	668769	9.19	2541259	12.28	2641189	10.00
	UPPER LIMIT	936277	9.52	3557763	12.61	3697665	10.33
	LOWER LIMIT	401261	8.86	1524755	11.95	1584713	9.67
	CLIENT SAMPLE NO.						
01	L4LCS	820798	9.20	2947187	12.27	3315047	10.01
02	L4LCSD	725395	9.20	2659593	12.27	2875371	10.01
03	ABLKL4	695899	9.19	2398858	12.28	2696044	10.01
04	SG-2	774782	9.20	2698731	12.27	3122002	10.01
05	SG-4	736448	9.21	2601650	12.28	2901768	10.01
06	SG-5	788454	9.20	2742631	12.27	3206174	10.01
07	SG-6	749968	9.21	2633350	12.28	3064610	10.01
08	SG-7	763699	9.20	2750513	12.27	3062745	10.01
09	SG-8	823859	9.21	2900073	12.28	3311997	10.01
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22							

IS1 (BCM) = Bromochloromethane
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DFB) = 1,4-Difluorobenzene

AREA UPPER LIMIT = + 40% of internal standard area
AREA LOWER LIMIT = - 40% of internal standard area
RT UPPER LIMIT = + 0.33 minutes of internal standard RT
RT LOWER LIMIT = - 0.33 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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SAMPLE DATA SUMMARY PACKAGE

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-2

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622706

Sample wt/vol: _____ (g/mL) ML Lab File ID: 08JUN050941-R011

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/08/05

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.3

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) %.V/V	Q
7440-59-7	Helium	1.3	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-4

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622708

Sample wt/vol: _____ (g/mL) ML Lab File ID: 08JUN050941-R021

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/08/05

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.2

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) %.V/V	Q
7440-59-7	Helium	1.3	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-5

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622709

Sample wt/vol: _____ (g/mL) ML Lab File ID: 08JUN050941-R041

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/08/05

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.3

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) %.V/V	Q
7440-59-7	Helium	1.3	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-6

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622710

Sample wt/vol: _____ (g/mL) ML Lab File ID: 08JUN050941-R031

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/08/05

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.2

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	%.V/V	Q
7440-59-7	Helium		2.3	

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-7

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622711

Sample wt/vol: _____ (g/mL) ML Lab File ID: 08JUN050941-R051

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/08/05

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	%.V/V	Q
7440-59-7	Helium		1.0	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

BERENV SAMPLE NO.

SG-8

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: 622712

Sample wt/vol: _____ (g/mL) ML Lab File ID: 08JUN050941-R061

Level: (low/med) LOW Date Received: 05/27/05

% Moisture: not dec. _____ Date Analyzed: 06/08/05

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.4

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) %.V/V	Q
7440-59-7	Helium	1.4	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

ABLKQ5

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Matrix: (soil/water) AIR Lab Sample ID: ABLKQ5

Sample wt/vol: _____ (g/mL) ML Lab File ID: 08JUN050910-R011

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 06/08/05

GC Column: CTR-1 ID: 6.35 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg)	%.V/V	Q
7440-59-7	Helium		1.0	U

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE NO.

ABLKQ5

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Lab File ID: 08JUN050910-R011 Lab Sample ID: ABLKQ5

Date Analyzed: 06/08/05 Time Analyzed: 0911

GC Column: CTR-1 ID: 6.35 (mm) Heated Purge: (Y/N) N

Instrument ID: 2866_2

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SG-2	622706	08JUN050941-	0943
02	SG-4	622708	08JUN050941-	0947
03	SG-6	622710	08JUN050941-	0950
04	SG-5	622709	08JUN050941-	0955
05	SG-7	622711	08JUN050941-	0959
06	SG-8	622712	08JUN050941-	1003
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COMMENTS:

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Instrument ID: 2866_2 Calibration Date(s): 05/16/05 05/16/05

Column: CTR-1 ID: 6.35 (mm) Calibration Time(s): 1037 1054

LAB FILE ID: RF1.7: 16MAY051036RF5: 16MAY051036-RRF8.3: 16MAY051036
RF16.7: 16MAY05103

COMPOUND	RF1.7	RF5	RF8.3	RF16.7
Helium	122945.88	127555.00	126850.48	126080.24

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Instrument ID: 2866_2 Calibration Date(s): 05/16/05 05/16/05

Column: CTR-1 ID: 6.35 (mm) Calibration Time(s): 1037 1054

COMPOUND	CURVE	COEFFICENT A1	%RSD OR R^2
Helium	AVRG	125857.901	1.6

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Instrument ID: 2866_2 Calibration Date: 06/08/05 Time: 0902

Lab File ID: 08JUN050901-R0 Init. Calib. Date(s): 05/16/05 05/16/05

Heated Purge: (Y/N) N Init. Calib. Times: 1037 1054

GC Column: CTR-1 ID: 6.35 (mm)

COMPOUND	$\overline{RRF}$	RRF5	MIN RRF	%D	MAX %D
Helium	125857.90	95050.600		24.5	30.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

Instrument ID: 2866_2 Calibration Date: 06/08/05 Time: 1058

Lab File ID: 08JUN051057-R0 Init. Calib. Date(s): 05/16/05 05/16/05

Heated Purge: (Y/N) N Init. Calib. Times: 1037 1054

GC Column: CTR-1 ID: 6.35 (mm)

COMPOUND	$\overline{RRF}$	RRF8.3	MIN RRF	%D	MAX %D
Helium	125857.90	116574.94		7.4	30.0

FORM 8
VOLATILE ANALYTICAL SEQUENCE

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 107468

GC Column: CTR-1 ID: 6.35 (mm) Init. Calib. Date(s): 05/16/05 05/16/05

Instrument ID: 2866_2

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	MEAN SURROGATE RT FROM INITIAL CALIBRATION					
	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	RT #	RT #
01	CAL1	CAL1	05/16/05	1037		
02	CAL2	CAL2	05/16/05	1042		
03	CAL3	CAL3	05/16/05	1047		
04	CAL4	CAL4	05/16/05	1054		
05	CCV	CCV	06/08/05	0902		
06	ABLKQ5	ABLKQ5	06/08/05	0911		
07	SG-2	622706	06/08/05	0943		
08	SG-4	622708	06/08/05	0947		
09	SG-6	622710	06/08/05	0950		
10	SG-5	622709	06/08/05	0955		
11	SG-7	622711	06/08/05	0959		
12	SG-8	622712	06/08/05	1003		
13	CCV	CCV	06/08/05	1058		
14						
15						
16						
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32						

QC LIMITS

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

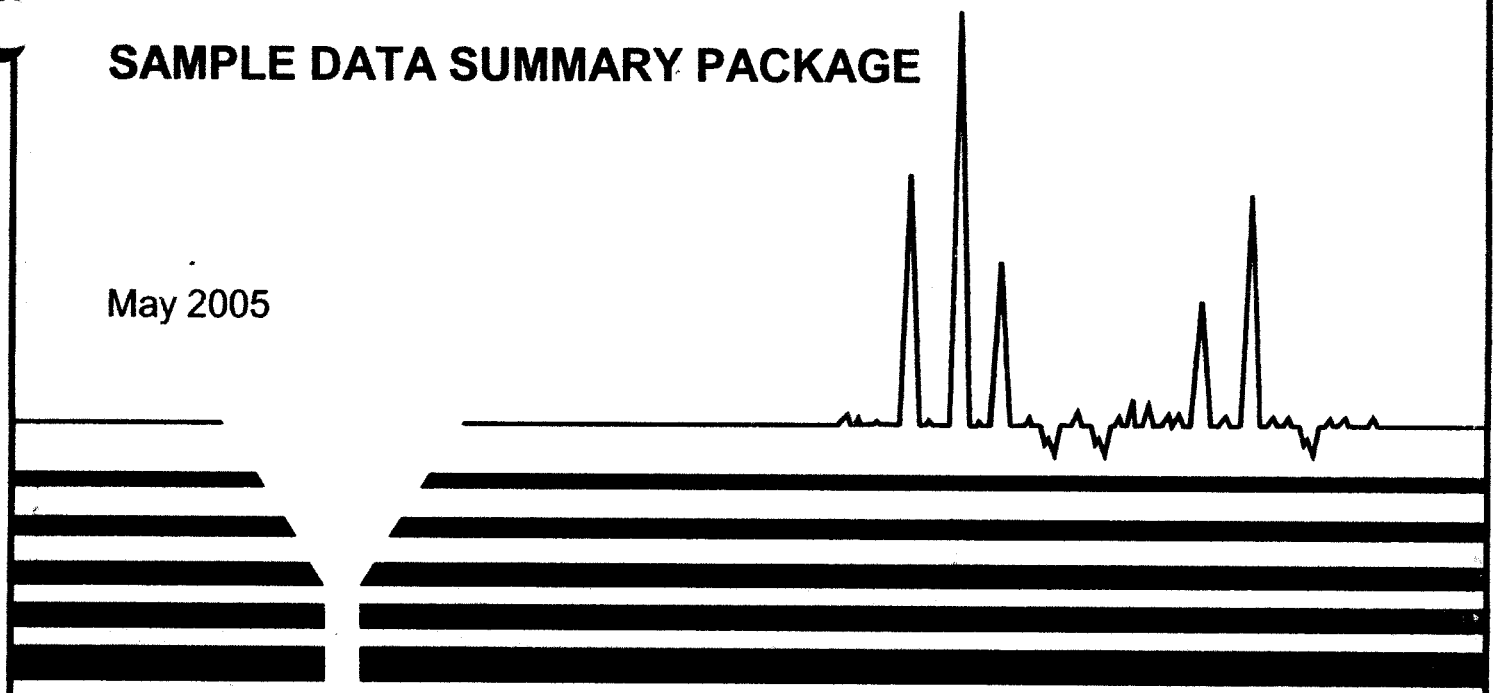
Analytical Data Package For

BERNINGER ENVIRONMENTAL
PROJECT: ROSE CLEANERS 500
LEXINGTON AVENUE MT. KISCO, NY
SDG NO: BER019

Soil Samples
Received: 5/26/05

SAMPLE DATA SUMMARY PACKAGE

May 2005



H2M LABS, INC.
Environmental Testing Laboratories
575 Broad Hollow Road, Melville, N.Y. 11747

H2M LABS, INC.

SAMPLE DATA SUMMARY PACKAGE

TABLE OF CONTENTS

BERNINGER ENVIRONMENTAL
PROJECT: ROSE CLEANERS
500 LEXINGTON AVENUE MT. KISCO, NY
SAMPLES RECEIVED: 5/26/05
SDG NO.: BER019

1. NYS DEC SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: BER019

Analytical Requirements

Customer Sample Code	Laboratory Sample Code	MSVOA
SB-1 (3-4 FT)	0505763-001	X
SB-2 (5-6 FT)	0505763-002	X
SB-3 (4-5 FT)	0505763-003	X
SB-4 (4-5 FT)	0505763-004	X
SB-5 (3-4 FT)	0505763-005	X
SB-6 (3-4 FT)	0505763-006	X
SB-8 (6"-8")	0505763-007	X
FIELD BLANK 5/24	0505763-008	X

CLP, Non-CLP (Please indicate year of protocol) ASP B 10/95 KJS 6/15/05
TCL/TAL, HSL, Priority Pollutant,

BER019 S3

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: BER019

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
0505763-001A	SB-1 (3-4 FT)	Soil	ASP95-1	24-May-05	26-May-05		02-Jun-05		1	LOW	
0505763-002A	SB-2 (5-6 FT)	Soil	ASP95-1	24-May-05	26-May-05		02-Jun-05		1	LOW	
0505763-002ARE	SB-2 (5-6 FT)RE	Soil	ASP95-1	24-May-05	26-May-05		03-Jun-05		1	LOW	
0505763-003A	SB-3 (4-5 FT)	Soil	ASP95-1	24-May-05	26-May-05		02-Jun-05		1	LOW	
0505763-003ADL	SB-3 (4-5 FT)DL	Soil	ASP95-1	24-May-05	26-May-05		03-Jun-05		1	MED	
0505763-003AMS	SB-3 (4-5 FT)MS	Soil	ASP95-1	24-May-05	26-May-05		02-Jun-05		1	LOW	
0505763-003AMSD	SB-3 (4-5 FT)MSD	Soil	ASP95-1	24-May-05	26-May-05		02-Jun-05		1	LOW	
0505763-004A	SB-4 (4-5 FT)	Soil	ASP95-1	24-May-05	26-May-05		02-Jun-05		10	LOW	
0505763-004ADL	SB-4 (4-5 FT)DL	Soil	ASP95-1	24-May-05	26-May-05		03-Jun-05		100	MED	
0505763-005A	SB-5 (3-4 FT)	Soil	ASP95-1	25-May-05	26-May-05		03-Jun-05		10	LOW	
0505763-005ADL	SB-5 (3-4 FT)DL	Soil	ASP95-1	25-May-05	26-May-05		03-Jun-05		10	MED	
0505763-006A	SB-6 (3-4 FT)	Soil	ASP95-1	25-May-05	26-May-05		02-Jun-05		1	LOW	
0505763-006ADL	SB-6 (3-4 FT)DL	Soil	ASP95-1	25-May-05	26-May-05		03-Jun-05		2	MED	
0505763-007A	SB-8 (6"-8")	Soil	ASP95-1	25-May-05	26-May-05		02-Jun-05		1	LOW	
0505763-007ADL	SB-8 (6"-8")DL	Soil	ASP95-1	25-May-05	26-May-05		03-Jun-05		2	MED	
0505763-008A	FIELD BLANK 5/24	Aqueous	ASP95-1	24-May-05	26-May-05		03-Jun-05		1	LOW	

2. CHAIN OF CUSTODY DOCUMENTATION

H2M LABS, INC.

1542

EXTERNAL CHAIN OF CUSTODY

PO# 5051379

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (516) 694-3040 Fax: (516) 420-8436

CLIENT: BERNINGER Environmental SDG NO: 019

PROJECT NAME/NUMBER
Rose Cleaners
300 Lexington Ave
Mt. Kisco, NY

SAMPLERS: (signature)/Client
Jill Haimen

DELIVERABLES:
NYSDEC ASP Cat B (BS-70-D)

TURNAROUND TIME: 21 Days

NOTES:
SOILS
TCL VOAs
8260 gl.. TICs
PLS# 044 BEROS

Project Contact: Jill H.
Phone Number: 516 647-4211

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	% moisture	ORGANIC VOA	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
5/24/05	1040	S	SB-1 3-4 ft	2	1			-				0505763-001	
	1200	S	SB-2 3-4 ft	2	1			1				002	
	1330	S	SB-3 4-5 ft	3	2			1				003	MS/MSD
	1420	S	SB-4 4-5 ft	2	2							004	*
5/25/05	900	S	SB-5 3-4 ft	2	2							005	*
	1014	S	SB-6 3-4 ft	2	2							006	
		S	~~SB-7~~										
	1130	S	SB-8 6'-8'	2	2							007	
5/24/05	1630	L	FIELD BLANK	2					2			008	Field Blank

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Pete Daniels	5/26/05	1:37		5/26/05	1:37PM
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
3. Received in good condition: Y or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

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

BER019 S6

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

Q

BER019

H2M LABS, INC.

Sample Receipt Checklist

Client Name BER

Date and Time Receive

Work Order Numbe 0505763

Received by LSD

Checklist completed b [signature] 5/26/05
Signature | Date

Reviewed by JSA 5/27/05
Initials | Date

Matrix | Carrier name | Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Applicable ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Applicable ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☒ (cb)	No ☑	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
samples received within holding time?	Yes ☑	No ☐	
ontainer/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted Berninger Date contacted: 5/26/05 1600 Person contacted Jill Hamsm

Contacted by: LSD Regarding

Comments: External COC: SB-5 (3-4 FT) – Bottles say 3-5 FT

Corrective Action External COC is correct

BER019 S7

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: BER DELIVERABLES: BS-P-D TURN AROUND TIME: 21 Days

SDG #: BER019 CASE #: MATRIX: Soil pH CHECK Y (N)

REMARKS: 044BER05 *High in VOC's

RECEIVED BY: LSD SIGNATURE: DATE: 5/26/05 TIME: 1337

CLIENT ID	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED	
SB-1 (3-4 FT)	0505263-001A	5.24	A	1	ASP8258260_S+TICS	
SB-2 (5-6FT)	002A					
SB-3 (4-5FT) MS/MSD	003A			2		
SB-4	004A			1		*
SB-5 (3-4FT)	005A	5.25				*
SB-6	006A					
SB-8 (6-8")	007A					
FieldBlank 5/24	008A	5:24	DH	2	ASP8258260_W+TICS	
"						
"						
"						
"						
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"						
"						
"						
"						

LSD 5/26/05

VOLATILE

BER019 S8

H2M LABS, INC.

CLIENT: BER

SDG #: BER019

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT
5/4/05	1645	SIGN	SIGN	ADH	analyses	
6/1/05	1400	SIGN	SIGN	DH	Analyses	
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
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VOLATILE

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: BER DELIVERABLES: BS-10-D TURN AROUND TIME: 21 Days

SDG #: BER019 CASE #: _____ MATRIX: Soil pH CHECK Y or (N)

REMARKS: 044 BERO5 *High in VOCs

RECEIVED BY: LSO SIGNATURE: [signature] DATE: 5/26/05 TIME: 1337

CLIENT ID	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED	
SB-1 (3-4FT)	0505703-021B	5.24	AA	1	PMOIST	
SB-2 (5-6FT)	002B					
SB-3 (4-5 FT)	003B					
SB-4	004B					*
SB-5 (3-4FT)	005B	5.25				*
SB-6	006B					
SB-8 (6-8")	007B					
		LSO				
		5/26/05				

WET CHEMISTRY

BER019 S10

H2M LABS, INC.

CLIENT: BER

JOB #: BER019

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT
5/20/05	1630	SIGN	SIGN	AA	analysis	
5/21/05	11:00	SIGN	SIGN	AA	Prep	
5/21/05	12:30	SIGN	SIGN	AA	storage	
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
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		SIGN	SIGN			
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WET CHEMISTRY

P 0254

BER019 S11

3. SDG NARRATIVES

H2M LABS, INC.

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 5/26/05
SDG #: BER019

For Samples:

SB-1 (3-4 FT)	SB-5 (3-4 FT)
SB-2 (5-6 FT)	SB-6 (3-4 FT)
SB-3 (4-5 FT) MS/MSD	SB-8 (6"-8")
SB-4 (4-5 FT)	FIELD BLANK 5/24

The above soil samples and field blank were analyzed for volatile organics by EPA method 8260B in accordance with the NYSDEC ASP, Rev. 10/95.

All QC data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

- Sample SB-3 (4-5 FT) was analyzed as the matrix spike/matrix spike duplicate. Most percent recoveries were below the QC limits. Note that the QC limits for recovery and the RPD do not apply for trichloroethene, since the compound is present in the sample, and the spiking level is not a multiple of the sample concentration.
- A lab fortified blank and a matrix spike blank was analyzed. All percent recoveries were within QC limits.
- The recovery for the internal standard 4-bromofluorobenzene (BFB) was above the QC limit in sample SB-2 (5-6 FT). The sample was reanalyzed with similar result. Both sets of data are reported.
- All samples were analyzed with low level procedure first, and five samples were reanalyzed with the medium level protocol, to keep compounds within the calibration range. The extracts for the medium level were diluted as appropriate for the concentration levels.
- Low levels (less than PQL) of tetrachloroethene were detected in the method blank of the medium level procedure. This analyte is flagged with a "B" qualifier in the associated samples.
- If a large interference coeluted with an internal standard, the affected tentatively identified compounds (TICs) were re-quantified with the nearest internal standard that was free from interferences.

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: June 13, 2005

****
* Middel *
****

Ursula Middel
Technical Manager

4. SAMPLE REPORTS

4.1 VOLATILES

QUALIFIERS FOR REPORTING ORGANICS DATA

Value - If the result is a value greater than or equal to the quantification limit, report the value.

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to:

$$\frac{(300\ U)}{D} \times df \text{ where } D = \frac{100\% moisture}{100}$$

and df - dilution factor

For example, at 24% moisture, $D = \frac{100 - 24}{100} = 0.76$

$$\frac{(300\ U)}{.76} \times 10 = 4300\ U$$ rounded to the appropriate number of significant figures

For semivolatile soil samples, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Similarly, pesticide samples subjected to GPC are concentrated to 5.0 mL. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the protocol-specified volume (see Exhibit C), this fact must be accounted for in reporting the sample quantitation limit.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero. (e.g.: If limit of quantification is 10 ug/L and a concentration of 3 ug/L is calculated, report as 3J.) The sample quantitation limit must be adjusted for dilution as discussed for the U flag.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported of Form I with a "P".

C - This flag applies to pesticide results when the identification has been confirmed by GC/MS.. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag, instead use a Laboratory defined flag, discussed below.

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.

E - This flag identified compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration ranges in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, e.g. a diluted analysis is not required for total xylenes unless the concentration of the peak representing the single isomer exceed 200 ug/L or the peak representing the two coeluting isomers on that GC column exceed 400 ug/L. Similarly, if the two 1,2-Dichloroethene isomers coelute, a diluted analysis is not required unless the concentration exceed 400 ug/L.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - This flag indicates suspected column bleed.

Y - This flag denotes concentration of tentatively identified compounds (TICs) to be biased low due to matrix interference with internal standard.

Z - Other specific flags may be required to properly define the results. If used, they must be fully described and such description attached to the Sample Data Summary Package and the SDG narrative. Begin by using "X". If more than one flag is required use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, used the "X" flag to combine several flags as needed. For instance, the "X" flag might combine "A", "B", and "D" flags for some samples. The laboratory defined flags limited to the letters "X", "Y" and "Z".

The combination of flags "BU" or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK 5/24

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR019

Matrix: (soil/water) WATER Lab Sample ID: 0505763-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41924.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (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
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

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-1 (3-4 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-001A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28872.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. 32 Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	15	U
74-83-9	Bromomethane	15	U
75-01-4	Vinyl chloride	15	U
75-00-3	Chloroethane	15	U
75-09-2	Methylene chloride	8	BJ
67-64-1	Acetone	72	
75-35-4	1,1-Dichloroethene	15	U
75-15-0	Carbon disulfide	15	U
75-34-3	1,1-Dichloroethane	15	U
540-59-0	1,2-Dichloroethene (total)	260	
67-66-3	Chloroform	15	U
107-06-2	1,2-Dichloroethane	15	U
78-93-3	2-Butanone	15	U
71-55-6	1,1,1-Trichloroethane	15	U
56-23-5	Carbon tetrachloride	15	U
75-27-4	Bromodichloromethane	15	U
78-87-5	1,2-Dichloropropane	15	U
10061-01-5	cis-1,3-Dichloropropene	15	U
79-01-6	Trichloroethene	26	
124-48-1	Dibromochloromethane	15	U
79-00-5	1,1,2-Trichloroethane	15	U
71-43-2	Benzene	15	U
10061-02-6	trans-1,3-Dichloropropene	15	U
75-25-2	Bromoform	15	U
108-10-1	4-Methyl-2-pentanone	15	U
591-78-6	2-Hexanone	15	U
127-18-4	Tetrachloroethene	270	
79-34-5	1,1,2,2-Tetrachloroethane	15	U
108-88-3	Toluene	15	U
108-90-7	Chlorobenzene	15	U
100-41-4	Ethylbenzene	15	U
100-42-5	Styrene	15	U
1330-20-7	Xylene (total)	15	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-2 (5-6 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-002A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28873.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. 21.9 Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene chloride	6	BJ
67-64-1	Acetone	54	
75-35-4	1,1-Dichloroethene	13	U
75-15-0	Carbon disulfide	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	170	
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	11	J
124-48-1	Dibromochloromethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	110	
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	6	J
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	49	

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-2 (5-6 FT) RE

Thr 6/13/05

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-002A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28891.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. 21.9 Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene chloride	13	B
67-64-1	Acetone	32	
75-35-4	1,1-Dichloroethene	13	U
75-15-0	Carbon disulfide	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	61	
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	12	J
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	160	
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	5	J
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	45	

BER019 S23

1F

EPA SAMPLE NO.

SB-2 (5-6 FT) RE

Thu 6/23/05

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-002A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28891.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. 21.9 Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:

Number TICs found: 10 (µg/L or µg/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.	straight-chain alkane (13.86)	13.86	1100	J
2.	branched alkane (14.67)	14.67	1100	J
3.	branched alkane (15.09)	15.09	970	J
4.	straight-chain alkane (15.57)	15.57	3800	J
5.	cyclic alkane (15.78)	15.78	840	J
6.	branched alkane (15.88)	15.88	1700	J
7.	unknown hydrocarbon	16.60	1900	J
8.	cyclic alkane (16.71)	16.71	1500	J
9.	straight-chain alkane (17.16)	17.16	1500	J
10.	unknown aromatic	17.76	1100	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-3 (4-5 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-003A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28871.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. 37.4 Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	16	U
74-83-9	Bromomethane	16	U
75-01-4	Vinyl chloride	16	U
75-00-3	Chloroethane	16	U
75-09-2	Methylene chloride	9	BJ
67-64-1	Acetone	16	U
75-35-4	1,1-Dichloroethene	16	U
75-15-0	Carbon disulfide	16	U
75-34-3	1,1-Dichloroethane	16	U
540-59-0	1,2-Dichloroethene (total)	180	
67-66-3	Chloroform	16	U
107-06-2	1,2-Dichloroethane	16	U
78-93-3	2-Butanone	16	U
71-55-6	1,1,1-Trichloroethane	16	U
56-23-5	Carbon tetrachloride	16	U
75-27-4	Bromodichloromethane	16	U
78-87-5	1,2-Dichloropropane	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
79-01-6	Trichloroethene	280	
124-48-1	Dibromochloromethane	16	U
79-00-5	1,1,2-Trichloroethane	16	U
71-43-2	Benzene	16	U
10061-02-6	trans-1,3-Dichloropropene	16	U
75-25-2	Bromoform	16	U
108-10-1	4-Methyl-2-pentanone	16	U
591-78-6	2-Hexanone	16	U
127-18-4	Tetrachloroethene	2500	E
79-34-5	1,1,2,2-Tetrachloroethane	16	U
108-88-3	Toluene	16	U
108-90-7	Chlorobenzene	16	U
100-41-4	Ethylbenzene	16	U
100-42-5	Styrene	16	U
1330-20-7	Xylene (total)	16	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-3 (4-5 FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-003ADL

Sample wt/vol: 4 (g/mL) G Lab File ID: A\A41912.D

Level: (low/med) MED Date Received: 05/26/05

% Moisture: not dec. 37.4 Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	2000	U
74-83-9	Bromomethane	2000	U
75-01-4	Vinyl chloride	2000	U
75-00-3	Chloroethane	2000	U
75-09-2	Methylene chloride	590	DBJ
67-64-1	Acetone	2000	U
75-35-4	1,1-Dichloroethene	2000	U
75-15-0	Carbon disulfide	2000	U
75-34-3	1,1-Dichloroethane	2000	U
540-59-0	1,2-Dichloroethene (total)	450	DJ
67-66-3	Chloroform	2000	U
107-06-2	1,2-Dichloroethane	2000	U
78-93-3	2-Butanone	2000	U
71-55-6	1,1,1-Trichloroethane	2000	U
56-23-5	Carbon tetrachloride	2000	U
75-27-4	Bromodichloromethane	2000	U
78-87-5	1,2-Dichloropropane	2000	U
10061-01-5	cis-1,3-Dichloropropene	2000	U
79-01-6	Trichloroethene	1200	DJ
124-48-1	Dibromochloromethane	2000	U
79-00-5	1,1,2-Trichloroethane	2000	U
71-43-2	Benzene	2000	U
10061-02-6	trans-1,3-Dichloropropene	2000	U
75-25-2	Bromoform	2000	U
108-10-1	4-Methyl-2-pentanone	2000	U
591-78-6	2-Hexanone	2000	U
127-18-4	Tetrachloroethene	34000	DB
79-34-5	1,1,2,2-Tetrachloroethane	2000	U
108-88-3	Toluene	2000	U
108-90-7	Chlorobenzene	2000	U
100-41-4	Ethylbenzene	2000	U
100-42-5	Styrene	2000	U
1330-20-7	Xylene (total)	2000	U

EPA SAMPLE NO.

SB-3 (4-5 FT)DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-003ADL

Sample wt/vol: 4 (g/mL) G Lab File ID: A\A41912.D

Level: (low/med) MED Date Received: 05/26/05

% Moisture: not dec. 37.4 Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 100 (µL)

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-4 (4-5 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-004A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28876.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. 36.7 Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 10.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	160	U
74-83-9	Bromomethane	160	U
75-01-4	Vinyl chloride	160	U
75-00-3	Chloroethane	160	U
75-09-2	Methylene chloride	76	BJ
67-64-1	Acetone	370	
75-35-4	1,1-Dichloroethene	160	U
75-15-0	Carbon disulfide	160	U
75-34-3	1,1-Dichloroethane	160	U
540-59-0	1,2-Dichloroethene (total)	7800	E
67-66-3	Chloroform	160	U
107-06-2	1,2-Dichloroethane	160	U
78-93-3	2-Butanone	160	U
71-55-6	1,1,1-Trichloroethane	160	U
56-23-5	Carbon tetrachloride	160	U
75-27-4	Bromodichloromethane	160	U
78-87-5	1,2-Dichloropropane	160	U
10061-01-5	cis-1,3-Dichloropropene	160	U
79-01-6	Trichloroethene	25000	E
124-48-1	Dibromochloromethane	160	U
79-00-5	1,1,2-Trichloroethane	160	U
71-43-2	Benzene	160	U
10061-02-6	trans-1,3-Dichloropropene	160	U
75-25-2	Bromoform	160	U
108-10-1	4-Methyl-2-pentanone	160	U
591-78-6	2-Hexanone	160	U
127-18-4	Tetrachloroethene	32000	E
79-34-5	1,1,2,2-Tetrachloroethane	160	U
108-88-3	Toluene	160	U
108-90-7	Chlorobenzene	160	U
100-41-4	Ethylbenzene	160	U
100-42-5	Styrene	160	U
1330-20-7	Xylene (total)	160	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-4 (4-5 FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-004ADL

Sample wt/vol: 4 (g/mL) G Lab File ID: A\A41917.D

Level: (low/med) MED Date Received: 05/26/05

% Moisture: not dec. 36.7 Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 100.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	200000	U
74-83-9	Bromomethane	200000	U
75-01-4	Vinyl chloride	200000	U
75-00-3	Chloroethane	200000	U
75-09-2	Methylene chloride	200000	U
67-64-1	Acetone	200000	U
75-35-4	1,1-Dichloroethene	200000	U
75-15-0	Carbon disulfide	200000	U
75-34-3	1,1-Dichloroethane	200000	U
540-59-0	1,2-Dichloroethene (total)	200000	U
67-66-3	Chloroform	200000	U
107-06-2	1,2-Dichloroethane	200000	U
78-93-3	2-Butanone	200000	U
71-55-6	1,1,1-Trichloroethane	200000	U
56-23-5	Carbon tetrachloride	200000	U
75-27-4	Bromodichloromethane	200000	U
78-87-5	1,2-Dichloropropane	200000	U
10061-01-5	cis-1,3-Dichloropropene	200000	U
79-01-6	Trichloroethene	75000	DJ
124-48-1	Dibromochloromethane	200000	U
79-00-5	1,1,2-Trichloroethane	200000	U
71-43-2	Benzene	200000	U
10061-02-6	trans-1,3-Dichloropropene	200000	U
75-25-2	Bromoform	200000	U
108-10-1	4-Methyl-2-pentanone	200000	U
591-78-6	2-Hexanone	200000	U
127-18-4	Tetrachloroethene	1600000	DB
79-34-5	1,1,2,2-Tetrachloroethane	200000	U
108-88-3	Toluene	200000	U
108-90-7	Chlorobenzene	200000	U
100-41-4	Ethylbenzene	200000	U
100-42-5	Styrene	200000	U
1330-20-7	Xylene (total)	200000	U

1F

EPA SAMPLE NO.

SB-4 (4-5 FT)DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-004ADL

Sample wt/vol: 4 (g/mL) G Lab File ID: A\A41917.D

Level: (low/med) MED Date Received: 05/26/05

% Moisture: not dec. 36.7 Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 100.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 100 (µL)

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-5 (3-4 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-005A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28877.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. 25.2 Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 10.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	130	U
74-83-9	Bromomethane	130	U
75-01-4	Vinyl chloride	130	U
75-00-3	Chloroethane	130	U
75-09-2	Methylene chloride	71	BJ
67-64-1	Acetone	130	U
75-35-4	1,1-Dichloroethene	130	U
75-15-0	Carbon disulfide	130	U
75-34-3	1,1-Dichloroethane	130	U
540-59-0	1,2-Dichloroethene (total)	130	U
67-66-3	Chloroform	130	U
107-06-2	1,2-Dichloroethane	130	U
78-93-3	2-Butanone	130	U
71-55-6	1,1,1-Trichloroethane	130	U
56-23-5	Carbon tetrachloride	130	U
75-27-4	Bromodichloromethane	130	U
78-87-5	1,2-Dichloropropane	130	U
10061-01-5	cis-1,3-Dichloropropene	130	U
79-01-6	Trichloroethene	44	J
124-48-1	Dibromochloromethane	130	U
79-00-5	1,1,2-Trichloroethane	130	U
71-43-2	Benzene	130	U
10061-02-6	trans-1,3-Dichloropropene	130	U
75-25-2	Bromoform	130	U
108-10-1	4-Methyl-2-pentanone	130	U
591-78-6	2-Hexanone	130	U
127-18-4	Tetrachloroethene	21000	E
79-34-5	1,1,2,2-Tetrachloroethane	130	U
108-88-3	Toluene	130	U
108-90-7	Chlorobenzene	130	U
100-41-4	Ethylbenzene	130	U
100-42-5	Styrene	130	U
1330-20-7	Xylene (total)	130	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-5 (3-4 FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-005ADL

Sample wt/vol: 4 (g/mL) G Lab File ID: A\A41914.D

Level: (low/med) MED Date Received: 05/26/05

% Moisture: not dec. 25.2 Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 10.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	17000	U
74-83-9	Bromomethane	17000	U
75-01-4	Vinyl chloride	17000	U
75-00-3	Chloroethane	17000	U
75-09-2	Methylene chloride	17000	U
67-64-1	Acetone	17000	U
75-35-4	1,1-Dichloroethene	17000	U
75-15-0	Carbon disulfide	17000	U
75-34-3	1,1-Dichloroethane	17000	U
540-59-0	1,2-Dichloroethene (total)	17000	U
67-66-3	Chloroform	17000	U
107-06-2	1,2-Dichloroethane	17000	U
78-93-3	2-Butanone	17000	U
71-55-6	1,1,1-Trichloroethane	17000	U
56-23-5	Carbon tetrachloride	17000	U
75-27-4	Bromodichloromethane	17000	U
78-87-5	1,2-Dichloropropane	17000	U
10061-01-5	cis-1,3-Dichloropropene	17000	U
79-01-6	Trichloroethene	17000	U
124-48-1	Dibromochloromethane	17000	U
79-00-5	1,1,2-Trichloroethane	17000	U
71-43-2	Benzene	17000	U
10061-02-6	trans-1,3-Dichloropropene	17000	U
75-25-2	Bromoform	17000	U
108-10-1	4-Methyl-2-pentanone	17000	U
591-78-6	2-Hexanone	17000	U
127-18-4	Tetrachloroethene	51000	DB
79-34-5	1,1,2,2-Tetrachloroethane	17000	U
108-88-3	Toluene	17000	U
108-90-7	Chlorobenzene	17000	U
100-41-4	Ethylbenzene	17000	U
100-42-5	Styrene	17000	U
1330-20-7	Xylene (total)	17000	U

1F

EPA SAMPLE NO.

SB-5 (3-4 FT)DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

ɔ Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-005ADL

Sample wt/vol: 4 (g/mL) G Lab File ID: A\A41914.D

Level: (low/med) MED Date Received: 05/26/05

% Moisture: not dec. 25.2 Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 10.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 100 (µL)

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-6 (3-4 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-006A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28874.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. 26.5 Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	14	U
74-83-9	Bromomethane	14	U
75-01-4	Vinyl chloride	14	U
75-00-3	Chloroethane	14	U
75-09-2	Methylene chloride	8	BJ
67-64-1	Acetone	14	U
75-35-4	1,1-Dichloroethene	14	U
75-15-0	Carbon disulfide	14	U
75-34-3	1,1-Dichloroethane	14	U
540-59-0	1,2-Dichloroethene (total)	12	J
67-66-3	Chloroform	14	U
107-06-2	1,2-Dichloroethane	14	U
78-93-3	2-Butanone	14	U
71-55-6	1,1,1-Trichloroethane	14	U
56-23-5	Carbon tetrachloride	14	U
75-27-4	Bromodichloromethane	14	U
78-87-5	1,2-Dichloropropane	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
79-01-6	Trichloroethene	10	J
124-48-1	Dibromochloromethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
71-43-2	Benzene	14	U
10061-02-6	trans-1,3-Dichloropropene	14	U
75-25-2	Bromoform	14	U
108-10-1	4-Methyl-2-pentanone	14	U
591-78-6	2-Hexanone	14	U
127-18-4	Tetrachloroethene	1900	E
79-34-5	1,1,2,2-Tetrachloroethane	14	U
108-88-3	Toluene	14	U
108-90-7	Chlorobenzene	14	U
100-41-4	Ethylbenzene	14	U
100-42-5	Styrene	14	U
1330-20-7	Xylene (total)	14	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-6 (3-4 FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-006ADL

Sample wt/vol: 4 (g/mL) G Lab File ID: A\A41915.D

Level: (low/med) MED Date Received: 05/26/05

% Moisture: not dec. 26.5 Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 2.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	3400	U
74-83-9	Bromomethane	3400	U
75-01-4	Vinyl chloride	3400	U
75-00-3	Chloroethane	3400	U
75-09-2	Methylene chloride	530	DBJ
67-64-1	Acetone	3400	U
75-35-4	1,1-Dichloroethene	3400	U
75-15-0	Carbon disulfide	3400	U
75-34-3	1,1-Dichloroethane	3400	U
540-59-0	1,2-Dichloroethene (total)	3400	U
67-66-3	Chloroform	3400	U
107-06-2	1,2-Dichloroethane	3400	U
78-93-3	2-Butanone	3400	U
71-55-6	1,1,1-Trichloroethane	3400	U
56-23-5	Carbon tetrachloride	3400	U
75-27-4	Bromodichloromethane	3400	U
78-87-5	1,2-Dichloropropane	3400	U
10061-01-5	cis-1,3-Dichloropropene	3400	U
79-01-6	Trichloroethene	3400	U
124-48-1	Dibromochloromethane	3400	U
79-00-5	1,1,2-Trichloroethane	3400	U
71-43-2	Benzene	3400	U
10061-02-6	trans-1,3-Dichloropropene	3400	U
75-25-2	Bromoform	3400	U
108-10-1	4-Methyl-2-pentanone	3400	U
591-78-6	2-Hexanone	3400	U
127-18-4	Tetrachloroethene	15000	DB
79-34-5	1,1,2,2-Tetrachloroethane	3400	U
108-88-3	Toluene	3400	U
108-90-7	Chlorobenzene	3400	U
100-41-4	Ethylbenzene	3400	U
100-42-5	Styrene	3400	U
1330-20-7	Xylene (total)	3400	U

1F

EPA SAMPLE NO.

SB-6 (3-4 FT)DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

b Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-006ADL

Sample wt/vol: 4 (g/mL) G Lab File ID: A\A41915.D

Level: (low/med) MED Date Received: 05/26/05

% Moisture: not dec. 26.5 Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 2.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 100 (µL)

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-8 (6"-8")

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-007A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28875.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. 2.6 Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	5	BJ
67-64-1	Acetone	10	U
75-35-4	1,1-Dichloroethene	10	U
75-15-0	Carbon disulfide	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	6	J
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	13	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	690	E
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-8 (6"-8")DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-007ADL

Sample wt/vol: 4 (g/mL) G Lab File ID: A\A41916.D

Level: (low/med) MED Date Received: 05/26/05

% Moisture: not dec. 2.6 Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 2.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	2600	U
74-83-9	Bromomethane	2600	U
75-01-4	Vinyl chloride	2600	U
75-00-3	Chloroethane	2600	U
75-09-2	Methylene chloride	340	DBJ
67-64-1	Acetone	2600	U
75-35-4	1,1-Dichloroethene	2600	U
75-15-0	Carbon disulfide	2600	U
75-34-3	1,1-Dichloroethane	2600	U
540-59-0	1,2-Dichloroethene (total)	2600	U
67-66-3	Chloroform	2600	U
107-06-2	1,2-Dichloroethane	2600	U
78-93-3	2-Butanone	2600	U
71-55-6	1,1,1-Trichloroethane	2600	U
56-23-5	Carbon tetrachloride	2600	U
75-27-4	Bromodichloromethane	2600	U
78-87-5	1,2-Dichloropropane	2600	U
10061-01-5	cis-1,3-Dichloropropene	2600	U
79-01-6	Trichloroethene	2600	U
124-48-1	Dibromochloromethane	2600	U
79-00-5	1,1,2-Trichloroethane	2600	U
71-43-2	Benzene	2600	U
10061-02-6	trans-1,3-Dichloropropene	2600	U
75-25-2	Bromoform	2600	U
108-10-1	4-Methyl-2-pentanone	2600	U
591-78-6	2-Hexanone	2600	U
127-18-4	Tetrachloroethene	4300	DB
79-34-5	1,1,2,2-Tetrachloroethane	2600	U
108-88-3	Toluene	2600	U
108-90-7	Chlorobenzene	2600	U
100-41-4	Ethylbenzene	2600	U
100-42-5	Styrene	2600	U
1330-20-7	Xylene (total)	2600	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-8 (6"-8")DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: 0505763-007ADL

Sample wt/vol: 4 (g/mL) G Lab File ID: A\A41916.D

Level: (low/med) MED Date Received: 05/26/05

% Moisture: not dec. 2.6 Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 2.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 100 (µL)

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

5. SURROGATE SPIKE ANALYSIS RESULTS

5.1 VOLATILES

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 DCE #	SMC2 TOL #	SMC3 BFB #	OTHER	TOT OUT
01	VBLK060205	102	98	106		0
02	LFB060205	100	101	97		0
03	MSB060205	101	106	104		0
04	SB-3 (4-5 FT)MS	83	108	82		0
05	SB-3 (4-5 FT)MSD	100	107	86		0
06	SB-3 (4-5 FT)	100	105	82		0
07	SB-1 (3-4 FT)	99	100	99		0
08	SB-2 (5-6 FT)	102	112	144 *		1
09	SB-6 (3-4 FT)	98	111	93		0
10	SB-8 (6"-8")	100	97	83		0
11	SB-4 (4-5 FT)	102	90	94		0
12	SB-5 (3-4 FT)	102	99	97		0
13	VBLK060305	100	94	93		0
14	SB-2 (5-6 FT)RE	105	111	174 *		1

		QC Limit
SMC 1 DCE	= 1,2-Dichloroethane-d4	(70-121)
~~SMC 2 DCE~~	~~= 1,2-Dichloroethane-d4~~	~~(0-0)~~
SMC 2 TOL	= Toluene-d8	(84-138)
~~SMC 4 TOL~~	~~= Toluene-d8~~	~~(0-0)~~
SMC 3 BFB	= 4-Bromofluorobenzene	(59-113)
~~SMC 6 BFB~~	~~= 4-Bromofluorobenzene~~	~~(0-0)~~

JW 6/9/05

Column to be used to flag recovery values

* Values outside of contract required QC limits

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 DCE #	SMC2 TOL #	SMC3 BFB #	OTHER	TOT OUT
01	VBLK060305M	91	103	97		0
02	SB-3 (4-5 FT)DL	95	101	98		0
03	SB-5 (3-4 FT)DL	94	102	97		0
04	SB-6 (3-4 FT)DL	92	102	97		0
05	SB-8 (6"-8")DL	94	102	100		0
06	SB-4 (4-5 FT)DL	93	103	98		0
07	LFB060305	98	100	100		0

		QC Limit
SMC 1 DCE	= 1,2-Dichloroethane-d4	(70-121)
~~SMC 2 DCE~~	~~= 1,2-Dichloroethane-d4~~	~~(0-0)~~
SMC 2 TOL	= Toluene-d8	(84-138)
~~SMC 4 TOL~~	~~= Toluene-d8~~	~~(0-0)~~
SMC 3 BFB	= 4-Bromofluorobenzene	(59-113)
~~SMC 6 BFB~~	~~= 4-Bromofluorobenzene~~	~~(0-0)~~

Column to be used to flag recovery values

* Values outside of contract required QC limits

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: H2M LABS, INC. Contract: _____

ab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

	EPA SAMPLE NO.	SMC1 DCE #	SMC2 TOL #	SMC3 BFB #	OTHER	TOT OUT
01	VBLK060305	92	103	93		0
02	FIELD BLANK 5/24	95	103	94		0

		QC Limit
SMC 1 DCE	= 1,2-Dichloroethane-d4	(76-114)
SMC 2 TOL	= Toluene-d8	(88-110)
SMC 3 BFB	= 4-Bromofluorobenzene	(86-115)

Column to be used to flag recovery values

* Values outside of contract required QC limits

6. MATRIX SPIKE / MATRIX SPIKE DUPLICATE SUMMARY

6.1 VOLATILES

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER019

Matrix Spike - EPA Sample No.: SB-3 (4-5 FT) Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	MS CONCENTRATION (µg/Kg)	MS % REC #	QC. LIMITS REC.	
1,1-Dichloroethene	80	0	43	54*	59-172	
Trichloroethene	80	280	220	-65*	62-137	1.)
Benzene	80	0	50	62*	66-142	
Toluene	80	0	51	64	59-139	
Chlorobenzene	80	0	42	53*	60-133	

COMPOUND	SPIKE ADDED (µg/Kg)	MSD CONCENTRATION (µg/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC	
1,1-Dichloroethene	80	46	58*	7	22	59-172	
Trichloroethene	80	240	-48*	-30 *	24 *	62-137	1.)
Benzene	80	46	58*	7	21	66-142	
Toluene	80	46	58*	10	21	59-139	
Chlorobenzene	80	38	48*	10	21	60-133	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 9 out of 10 outside limits

MS 6/13/05

COMMENTS: 1.) QC limits do not apply (see narrative.)

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER019

Sample ID MSB060205 Level:(low/med) LOW

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	46	93	59-172
Trichloroethene	50	0	49	99	62-137
Benzene	50	0	47	94	66-142
Toluene	50	0	53	107	59-139
Chlorobenzene	50	0	51	101	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER019

Sample ID LFB060205 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Chloromethane	50	0	48	95	33-149
Bromomethane	50	0	51	101	58-144
Vinyl chloride	50	0	46	93	20-164
Chloroethane	50	0	48	97	33-153
Methylene chloride	50	0	42	83	46-157
Acetone	50	0	40	80	50-187
1,1-Dichloroethene	50	0	44	89	65-142
Carbon disulfide	50	0	42	84	52-143
1,2-Dichloroethene (total)	100	0	93	93	57-150
Chloroform	50	0	50	100	68-140
1,2-Dichloroethane	50	0	49	98	65-147
2-Butanone	50	0	43	85	30-226
1,1,1-Trichloroethane	50	0	50	99	78-127
Carbon tetrachloride	50	0	50	100	70-136
Bromodichloromethane	50	0	49	98	78-137
1,2-Dichloropropane	50	0	48	96	81-132
cis-1,3-Dichloropropene	50	0	47	94	78-131
Trichloroethene	50	0	50	100	72-145
Dibromochloromethane	50	0	47	94	82-136
1,1,2-Trichloroethane	50	0	45	91	80-139
Benzene	50	0	48	96	71-142
trans-1,3-Dichloropropene	50	0	47	94	59-147
Bromoform	50	0	48	96	81-142
4-Methyl-2-pentanone	50	0	47	94	64-170
2-Hexanone	50	0	45	90	59-163
Tetrachloroethene	50	0	53	105	67-144
1,1,2,2-Tetrachloroethane	50	0	46	93	72-152
Toluene	50	0	50	100	83-129
Chlorobenzene	50	0	49	98	85-128
Ethylbenzene	50	0	53	106	80-129

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 32 outside limits

COMMENTS:

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER019

Sample ID LFB060205 Level: (low/med) LOW

Styrene	50	0	51	103	85-126
Xylene (total)	150	0	170	115	79-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 32 outside limits

COMMENTS:

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER019

Sample ID LFB060305 Level: (low/med) MED

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Chloromethane	6200	0	6300	102	33-149
Bromomethane	6200	0	6400	102	58-144
Vinyl chloride	6200	0	6000	96	20-164
Chloroethane	6200	0	6200	100	33-153
Methylene chloride	6200	0	6400	102	46-157
Acetone	6200	0	5900	95	50-187
1,1-Dichloroethene	6200	0	6100	97	65-142
Carbon disulfide	6200	0	6200	100	52-143
1,1-Dichloroethane	6200	0	6400	102	67-141
1,2-Dichloroethene (total)	12000	0	13000	102	57-150
Chloroform	6200	0	6400	102	68-140
1,2-Dichloroethane	6200	0	6500	103	65-147
2-Butanone	6200	0	6000	96	30-226
1,1,1-Trichloroethane	6200	0	6300	101	78-127
Carbon tetrachloride	6200	0	6100	98	70-136
Bromodichloromethane	6200	0	6500	103	78-137
1,2-Dichloropropane	6200	0	6500	103	81-132
cis-1,3-Dichloropropene	6200	0	6400	102	78-131
Trichloroethene	6200	0	6400	102	72-145
Dibromochloromethane	6200	0	6400	102	82-136
1,1,2-Trichloroethane	6200	0	6400	102	80-139
Benzene	6200	0	6400	103	71-142
trans-1,3-Dichloropropene	6200	0	6400	102	59-147
Bromoform	6200	0	6300	100	81-142
4-Methyl-2-pentanone	6200	0	6200	99	64-170
2-Hexanone	6200	0	6100	97	59-163
Tetrachloroethene	6200	0	5900	95	67-144
1,1,2,2-Tetrachloroethane	6200	0	6200	100	72-152
Toluene	6200	0	6300	101	83-129
Chlorobenzene	6200	0	6300	101	85-128

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 33 outside limits

COMMENTS:

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER019

Sample ID LFB060305 Level: (low/med) MED

Ethylbenzene	6200	0	6500	103	80-129
Styrene	6200	0	6400	103	85-126
Xylene (total)	19000	0	20000	108	79-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 33 outside limits

COMMENTS:

7. BLANK SUMMARY DATA AND RESULTS

7.1 VOLATILES

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK060205

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Lab File ID: 5\P28866.D Lab Sample ID: VBLK060205

Date Analyzed: 06/02/05 Time Analyzed: 17:55

GC Column: R-502.2 ID: .53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5970-3

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LFB060205	LFB060205	5\P28867.D	18:45
02	MSB060205	MSB060205	5\P28868.D	19:16
03	SB-3 (4-5 FT)MS	0505763-003AMS	5\P28869.D	19:49
04	SB-3 (4-5 FT)MSD	0505763-003AMSD	5\P28870.D	20:20
05	SB-3 (4-5 FT)	0505763-003A	5\P28871.D	20:51
06	SB-1 (3-4 FT)	0505763-001A	5\P28872.D	21:23
07	SB-2 (5-6 FT)	0505763-002A	5\P28873.D	21:54
08	SB-6 (3-4 FT)	0505763-006A	5\P28874.D	22:25
09	SB-8 (6"-8")	0505763-007A	5\P28875.D	22:57
10	SB-4 (4-5 FT)	0505763-004A	5\P28876.D	23:28
11	SB-5 (3-4 FT)	0505763-005A	5\P28877.D	0:00

COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK060205

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: VBLK060205

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28866.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

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

1F

EPA SAMPLE NO.

VBLK060205

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: VBLK060205

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28866.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK060305

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Lab File ID: 5\P28888.D Lab Sample ID: VBLK060305

Date Analyzed: 06/03/05 Time Analyzed: 11:19

GC Column: R-502.2 ID: .53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5970-3

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SB-2 (5-6 FT)RE	0505763-002ARE	5\P28891.D	12:55

COMMENTS:

EPA SAMPLE NO.

VBLK060305

VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR019

Matrix: (soil/water) SOIL Lab Sample ID: VBLK060305

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28888.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

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

1F

EPA SAMPLE NO.

VBLK060305

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: VBLK060305

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28888.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

EPA SAMPLE NO.

VBLK060305

VOLATILE METHOD BLANK SUMMARY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Lab File ID: A\A41920.D Lab Sample ID: VBLK060305

Date Analyzed: 06/03/05 Time Analyzed: 19:35

GC Column: R-502.2 ID: .53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5971

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	FIELD BLANK 5/24	0505763-008A	A\A41924.D	21:34

COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK060305

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR019

Matrix: (soil/water) WATER Lab Sample ID: VBLK060305

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41920.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (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
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
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

1F

EPA SAMPLE NO.

VBLK060305

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) WATER Lab Sample ID: VBLK060305

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41920.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (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

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK060305M

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Lab File ID: A\A41903.D Lab Sample ID: VBLK060305M

Date Analyzed: 06/03/05 Time Analyzed: 10:57

GC Column: R-502.2 ID: .53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5971

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	SB-3 (4-5 FT)DL	0505763-003ADL	A\A41912.D	15:46
02	SB-5 (3-4 FT)DL	0505763-005ADL	A\A41914.D	16:47
03	SB-6 (3-4 FT)DL	0505763-006ADL	A\A41915.D	17:17
04	SB-8 (6"-8")DL	0505763-007ADL	A\A41916.D	17:46
05	SB-4 (4-5 FT)DL	0505763-004ADL	A\A41917.D	18:15
06	LFB060305	LFB060305	A\A41921.D	20:05

COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK060305M

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR019

Matrix: (soil/water) SOIL Lab Sample ID: VBLK060305M

Sample wt/vol: 4 (g/mL) G Lab File ID: A\A41903.D

Level: (low/med) MED Date Received:

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene chloride	260	J
67-64-1	Acetone	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-15-0	Carbon disulfide	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	220	J
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	U
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	1200	U
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	1200	U

1F

EPA SAMPLE NO.

VBLK060305M

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Matrix: (soil/water) SOIL Lab Sample ID: VBLK060305M

Sample wt/vol: 4 (g/mL) G Lab File ID: A\A41903.D

Level: (low/med) MED Date Received:

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 100 (µL)

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

8. INTERNAL STANDARD AREA DATA

8.1 VOLATILES

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Lab File ID (Standard): 5\P28865.D Date Analyzed: 06/02/05

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 17:00

Instrument ID: HP5970-3 Heated Purge: (Y/N) Y

GC Column: R-502.2 ID: .53 (mm)

		IS1 AREA #	RT #	IS2 DFB AREA #	RT #	IS3 CBZ AREA #	RT #
	12 HOUR STD	168913	8.85	915243	9.91	654881	14.18
	UPPER LIMIT	337826	9.35	1830486	10.41	1309762	14.68
	LOWER LIMIT	84457	8.35	457622	9.41	327441	13.68
	EPA SAMPLE						
01	VBLK060205	177323	8.85	906423	9.90	689828	14.17
02	LFB060205	165287	8.85	929896	9.91	677546	14.17
03	MSB060205	172001	8.86	998977	9.91	699903	14.16
04	SB-3 (4-5 FT)MS	189837	8.87	866822	9.92	578076	14.17
05	SB-3 (4-5 FT)MSD	153840	8.88	870463	9.93	582725	14.17
06	SB-3 (4-5 FT)	162914	8.86	845408	9.93	568600	14.17
07	SB-1 (3-4 FT)	179284	8.86	935585	9.91	684902	14.16
08	SB-2 (5-6 FT)	171345	8.85	963662	9.91	623156	14.15
09	SB-6 (3-4 FT)	148145	8.88	831676	9.93	576687	14.18
10	SB-8 (6"-8")	154064	8.86	839576	9.92	627260	14.16
11	SB-4 (4-5 FT)	157545	8.86	856292	9.92	694340	14.16
12	SB-5 (3-4 FT)	160046	8.86	865260	9.92	677271	14.17

IS1 = Bromochloromethane
IS2 DFB = 1,4-Difluorobenzene
IS3 CBZ = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Lab File ID (Standard): A\A41901.D Date Analyzed: 06/03/05

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 9:56

Instrument ID: HP5971 Heated Purge: (Y/N) N

GC Column: R-502.2 ID: .53 (mm)

		IS1 AREA #	RT #	IS2 DFB AREA #	RT #	IS3 CBZ AREA #	RT #
	12 HOUR STD	68895	9.9	321814	10.8	288195	15.52
	UPPER LIMIT	137790	10.4	643628	11.3	576390	16.02
	LOWER LIMIT	34448	9.4	160907	10.3	144098	15.02
	EPA SAMPLE						
01	VBLK060305M	69521	9.90	322050	10.80	277668	15.53
02	SB-3 (4-5 FT)DL	68325	9.97	314977	10.87	281034	15.57
03	SB-5 (3-4 FT)DL	69363	9.95	318136	10.86	276920	15.57
04	SB-6 (3-4 FT)DL	67570	10.01	317708	10.89	275185	15.59
05	SB-8 (6"-8")DL	68707	9.98	316330	10.88	277013	15.59
06	SB-4 (4-5 FT)DL	69166	9.98	316614	10.87	271303	15.58
07	LFB060305	67968	9.98	314373	10.88	283512	15.59

IS1 = Bromochloromethane
IS2 DFB = 1,4-Difluorobenzene
IS3 CBZ = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Lab File ID (Standard): 5\P28887.D Date Analyzed: 06/03/05

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 10:48

Instrument ID: HP5970-3 Heated Purge: (Y/N) Y

GC Column: R-502.2 ID: .53 (mm)

		IS1 AREA #	RT #	IS2 DFB AREA #	RT #	IS3 CBZ AREA #	RT #
	12 HOUR STD	146863	8.83	806508	9.89	590469	14.17
	UPPER LIMIT	293726	9.33	1613016	10.39	1180938	14.67
	LOWER LIMIT	73432	8.33	403254	9.39	295235	13.67
	EPA SAMPLE						
01	VBLK060305	137683	8.83	776263	9.90	606827	14.16
02	SB-2 (5-6 FT)RE	137214	8.83	788270	9.90	525501	14.17

IS1 = Bromochloromethane
IS2 DFB = 1,4-Difluorobenzene
IS3 CBZ = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER019

Lab File ID (Standard): A\A41919.D Date Analyzed: 06/03/05

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 19:01

Instrument ID: HP5971 Heated Purge: (Y/N) N

GC Column: R-502.2 ID: .53 (mm)

		IS1 AREA #	RT #	IS2 DFB AREA #	RT #	IS3 CBZ AREA #	RT #
	12 HOUR STD	68439	9.99	316859	10.88	286206	15.58
	UPPER LIMIT	136878	10.49	633718	11.38	572412	16.08
	LOWER LIMIT	34220	9.49	158430	10.38	143103	15.08
	EPA SAMPLE						
01	VBLK060305	68456	10.02	312358	10.91	270328	15.61
02	FIELD BLANK 5/24	68267	9.95	312863	10.86	270919	15.58

IS1 = Bromochloromethane
IS2 DFB = 1,4-Difluorobenzene
IS3 CBZ = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

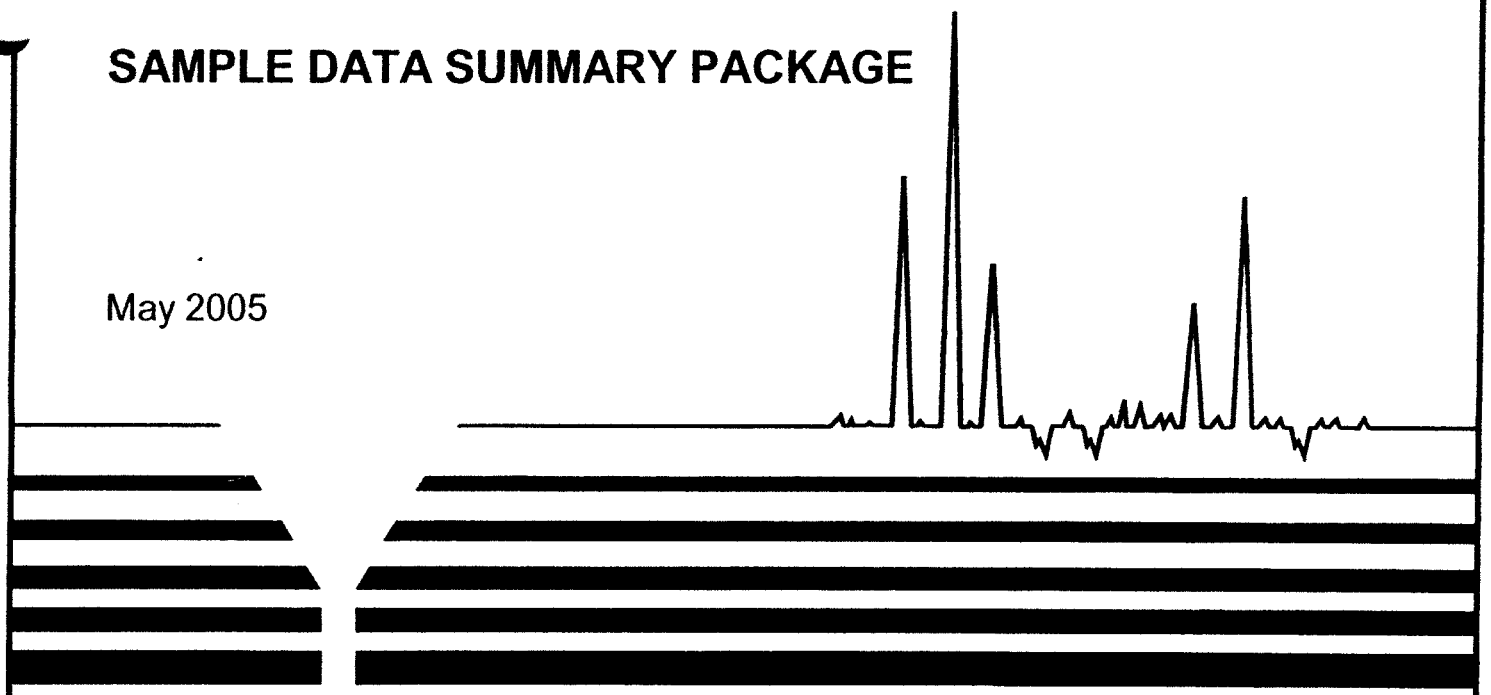
Analytical Data Package For

BERNINGER ENVIRONMENTAL
PROJECT: ROSE CLEANERS 500 LEXINGTON AVENUE MT. KISCO, NY
SDG NO: BER020

Water Samples
Received: 5/26/05

SAMPLE DATA SUMMARY PACKAGE

May 2005



H2M LABS, INC.
Environmental Testing Laboratories
575 Broad Hollow Road, Melville, N.Y. 11747

H2M LABS, INC.

SAMPLE DATA SUMMARY PACKAGE

TABLE OF CONTENTS

BERNINGER ENVIRONMENTAL
PROJECT: ROSE CLEANERS
500 LEXINGTON AVENUE MT. KISCO, NY
SAMPLES RECEIVED: 5/26/05
SDG NO.: BER020

1. NYS DEC SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: BER020

Analytical Requirements

Customer Sample Code	Laboratory Sample Code	MSVOA
GW-1 (4-6 FT)	0505764-001	X
GW-1 (14-16 FT)	0505764-002	X
GW-1 (24-26 FT)	0505764-003	X
GW-2 (5-7 FT)	0505764-004	X
GW-2 (15-17 FT)	0505764-005	X
GW-2 (25-27 FT)	0505764-006	X
GW-3 (5-7 FT)	0505764-007	X
GW-3 (15-17 FT)	0505764-008	X
GW-4 (5-7 FT)	0505764-009	X
GW-4 (15-17 FT)	0505764-010	X
GW-4 (25-27 FT)	0505764-011	X
GW-5 (5-7 FT)	0505764-012	X
GW-5 (15-17 FT)	0505764-013	X
GW-5 (25-27 FT)	0505764-014	X
GW-6 (5-7 FT)	0505764-015	X
GW-6 (15-17 FT)	0505764-016	X
GW-6 (25-27 FT)	0505764-017	X
GW-7 (5-7 FT)	0505764-018	X
GW-7 (15-17 FT)	0505764-019	X
GW-7 (25-27 FT)	0505764-020	X
TRIP BLANK 5/24	0505764-021	X
TRIP BLANK 5/25	0505764-022	X

CLP, Non-CLP (Please indicate year of protocol) ASP B 10/95 KJS 6/13/05
TCL/TAL, HSL, Priority Pollutant,

BER020 S3

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: BER020

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
0505764-001A	GW1(4-6FT)	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		5	LOW	
0505764-001ADL	GW1(4-6FT)DL	Aqueous	ASP95-1	24-May-05	26-May-05		03-Jun-05		200	LOW	
0505764-002A	GW1(14-16FT)	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		5	LOW	
0505764-002ADL	GW1(14-16FT)DL	Aqueous	ASP95-1	24-May-05	26-May-05		02-Jun-05		200	LOW	
0505764-003A	GW1(24-26FT)	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		5	LOW	
0505764-003A	GW1(24-26FT) DL	Aqueous	ASP95-1	24-May-05	26-May-05		02-Jun-05		20	LOW	
0505764-003AMS	GW1(24-26FT)MS	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		5	LOW	
0505764-003AMSD	GW1(24-26FT)MSD	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		5	LOW	
0505764-004A	GW2(5-7FT)	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		5	LOW	
0505764-004ADL	GW2(5-7FT)DL	Aqueous	ASP95-1	24-May-05	26-May-05		02-Jun-05		20	LOW	
0505764-005A	GW2(15-17FT)	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		1	LOW	
0505764-006A	GW2(25-27FT)	Aqueous	ASP95-1	24-May-05	26-May-05		02-Jun-05		1	LOW	
0505764-006ADL	GW2(25-27FT)DL	Aqueous	ASP95-1	24-May-05	26-May-05		03-Jun-05		2.5	LOW	
0505764-007A	GW3(5-7FT)	Aqueous	ASP95-1	24-May-05	26-May-05		02-Jun-05		20	LOW	
0505764-008A	GW3(15-17FT)	Aqueous	ASP95-1	24-May-05	26-May-05		03-Jun-05		2.5	LOW	
0505764-009A	GW4(5-7FT)	Aqueous	ASP95-1	24-May-05	26-May-05		02-Jun-05		50	LOW	
0505764-009ADL	GW4(5-7FT)DL	Aqueous	ASP95-1	24-May-05	26-May-05		02-Jun-05		500	LOW	
0505764-010A	GW4(15-17FT)	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		50	LOW	
0505764-010ADL	GW4(15-17FT)DL	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		500	LOW	
0505764-011A	GW4(25-27FT)	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		50	LOW	
0505764-011ADL	GW4(25-27FT)DL	Aqueous	ASP95-1	24-May-05	26-May-05		01-Jun-05		125	LOW	
0505764-012A	GW5(5-7FT)	Aqueous	ASP95-1	25-May-05	26-May-05		01-Jun-05		250	LOW	
0505764-012ADL	GW5(5-7FT)DL	Aqueous	ASP95-1	25-May-05	26-May-05		01-Jun-05		2500	LOW	
0505764-013A	GW5(15-17FT)	Aqueous	ASP95-1	25-May-05	26-May-05		01-Jun-05		250	LOW	
0505764-013ADL	GW5(15-17FT)DL	Aqueous	ASP95-1	25-May-05	26-May-05		01-Jun-05		2500	LOW	
0505764-014A	GW5(25-27FT)	Aqueous	ASP95-1	25-May-05	26-May-05		01-Jun-05		250	LOW	
0505764-014ADL	GW5(25-27FT)DL	Aqueous	ASP95-1	25-May-05	26-May-05		01-Jun-05		2500	LOW	
0505764-015A	GW6(5-7FT)	Aqueous	ASP95-1	25-May-05	26-May-05		02-Jun-05		5	LOW	

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
0505764-015ADL	GW6(5-7FT)DL	Aqueous	ASP95-1	25-May-05	26-May-05		03-Jun-05		500	LOW	
0505764-016A	GW6(15-17FT)	Aqueous	ASP95-1	25-May-05	26-May-05		02-Jun-05		20	LOW	
0505764-017A	GW6(25-27FT)	Aqueous	ASP95-1	25-May-05	26-May-05		02-Jun-05		20	LOW	
0505764-018A	GW7(5-7FT)	Aqueous	ASP95-1	25-May-05	26-May-05		02-Jun-05		20	LOW	
0505764-019A	GW7(15-17FT)	Aqueous	ASP95-1	25-May-05	26-May-05		02-Jun-05		5	LOW	
0505764-019ADL	GW7(15-17FT)DL	Aqueous	ASP95-1	25-May-05	26-May-05		03-Jun-05		1250	LOW	
0505764-020A	GW7(25-27FT)	Aqueous	ASP95-1	25-May-05	26-May-05		02-Jun-05		5	LOW	
0505764-020ADL	GW7(25-27FT)DL	Aqueous	ASP95-1	25-May-05	26-May-05		03-Jun-05		1250	LOW	
0505764-021A	TRIPBLANK 5/24	Aqueous	ASP95-1	24-May-05	26-May-05		03-Jun-05		1	LOW	
0505764-022A	TRIPBLANK 5/25	Aqueous	ASP95-1	25-May-05	26-May-05		03-Jun-05		1	LOW	

2. CHAIN OF CUSTODY DOCUMENTATION

H2M LABS, INC.

1543

575 Broad ..ollow Rd, Melville, NY 11747-5076
Tel: (516) 694-3040 Fax: (516) 420-8436

EXTERNAL CHAIN OF CUSTODY

PO# 5051379

CLIENT: BERNINGER Environmental H2M SDG NO: 020

PROJECT NAME/NUMBER: Rose Cleaners, 500 Lexington Ave, Mt. Kisco, NY

SAMPLERS: (signature)/Client: Jill Hamm

DELIVERABLES: NYSDEC ASP Cat B

TURNAROUND TIME: 21 Days

NOTES: Water

TCL VOAs $22.: TIC.

PO#044BERO5

Project Contact: Jill H.

Phone Number: 516 647-4211

DATE	TIME	MATRIX	FIELD I.D.	Total No of Containers	Sample Container Description: 40 ml vial-HCl	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
5/24/05	10[illegible]	L	GW-1 4-6 ft	2	2						0505764-001	
	10[illegible]	L	GW-1 14-16 ft	2	2						002	
	11[illegible]	L	GW-1 24-26 ft	2	2						003	MS/MSD
	—	L	TRIP BLANK	2	2						004	TRIP BLANK
	12[illegible]	L	GW-2 5-7 ft	2	2						005	
	12[illegible]	L	GW-2 15-17 ft	2	2						006	
	13[illegible]	L	GW-2 25-27 ft	2	2						007	
	14[illegible]	L	GW-3 5-7 ft	2	2						008	
	14[illegible]	L	GW-3 15-17 ft	2	2						009	
	14[illegible]	L	GW-4 5-7 ft	2	2						010	
	14[illegible]	L	GW-4 15-17 ft	2	2							

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Peter Daniels	5/24/05	1:37	Daniele Guida	5/24/05	1:37 PM
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
3. Received in good condition: Y or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

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 BER0005 YELLOW COPY - CLIENT PINK COPY - LABORATORY

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (516) 694-3040 Fax: (516) 420-8436

1542

EXTERNAL CHAIN OF CUSTODY

PO# 5051379

CLIENT: BERNINGER Environmental SDG NO: 020

PROJECT NAME/NUMBER: Rose Cleaners, 500 Lexington Ave, Mt. Kisco NY

SAMPLERS: (signature)/Client: Jill Hamson

DELIVERABLES: NYSDEC ASP B

TURNAROUND TIME: 21 DAYS

NOTES: Water; TCL VOAs 8260 TICs; PEST ONLY BERO5

Project Contact: Jill H.

Phone Number: 516 467-4211

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	Sample Container Description: 40 ml VOA-HCl	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
5/24/05	1450	L	GW-4 25-27 FT	2	2						0505164-011	*
5/25/05	900	L	GW-5 5-7 FT	2	2						012	*
	910	L	GW-5 15-17 FT	2	2						013	*
	920	L	GW-5 25-27 FT	2	2						014	*
	1011	L	GW-6 5-7 FT	2	2						015	
	1022	L	GW-6 15-17 FT	2	2						016	
	1032	L	GW-6 25-27 FT	2	2						017	
	1200	L	GW-7 5-7 FT	2	2						018	
	1210	L	GW-7 15-17 FT	2	2						019	
	1245	L	GW-7 25-27 FT	2	2						020	
5/25/05	-	L	TRIP BLANK	2	2						TRIP BLANK	022

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Peter Damish	5/26/05	1137	[signature] DD	5/26/05	1137 PM
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
3. Received in good condition: Y or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

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

BERO20.SS

H2M LABS, INC.

BER020

Sample Receipt Checklist

Client Name BER

Date and Time Receive 5/26/2005

Work Order Numbe 0505764

Received by LSD

Checklist completed b _____ Signature 5/26/05 Date

Reviewed by _____ Initials 5/27/05 Date

Matrix

Carrier name Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Applicable ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Applicable ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
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 ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
samples received within holding time?	Yes ☑	No ☐	
ntainer/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☒ (2)	No ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐ 5/26/05	

Adjusted? Checked b

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted Bernunger Date contacted: 5/26/05 1600 Person contacted Jill Hawnsn

Contacted by: Regarding

Comments (1) NO FB collected. (2) The following vials contain headspace:

GW-2 (25-27') - 2 vials (2 preps) | GW-4 (5-7') - 2 vials (2 preps) | GW-6 (25-27') - 2 vials (2 preps)

GW-3 (5-7') - 1 vial (1 prep) | GW-4 (15-17') - 1 vial (1 prep) | GW-7 (5-7') - 2 vials (2 preps)

GW-3 (15-17') - 2 vials (1 prep) | GW-5 (25-27') - 1 vial | GW-7 (25-27') - 2 vials (2 preps)

Corrective Action per Jill Hawnsn, please analyze the samples w/headspace in both vials. There was not headspace at time of collection. No FB required for these

BER020 S9

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: BER DELIVERABLES: BS-D-1 TURN AROUND TIME: 21 Days

SDG #: BER020 CASE #: MATRIX: GW pH CHECK Y or (N)

REMARKS: 04BER05 *expect High VOCs

RECEIVED BY: LD SIGNATURE: DATE: 5/26/05 TIME: 1337

CLIENT ID	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
GW-1 (4-6 FT)	0505764-001A	5.24	DH	2	ASPBSSBLD_W + TICS
" (14-16 FT)	002A			2	
MS/MSD (24-26 FT)	003A			6	
GW-2 (5-7 FT)	004A			2	
" (15-17 FT)	005A				
" (25-27 FT)	006A				
GW-3 (5-7 FT)	007A				
" (15-17 FT)	008A				
GW-4 (5-7 FT)	009A				
" (15-17 FT)	010A				
" (25-27 FT)	011A				
GW-5 (5-7 FT)	012A	5.25			
" (15-17 FT)	013A				
" (25-27 FT)	014A				
GW-6 (5-7 FT)	015A				
" (15-17 FT)	016A				
" (25-27 FT)	017A				
GW-7 (5-7 FT)	018A				
" (15-17 FT)	019A				
" (25-27 FT)	020A				
TripBlank 5/24	021A	5.24			
TripBlank 5/25	022A	5.25			

VOLATILE

BER020 S10

H2M LABS, INC.

CLIENT: BER

BDG #: BER020

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT
9/4/10	1630	SIGN	SIGN	DH	Analysis	
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN	

3. SDG NARRATIVES

H2M LABS, INC.

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 5/26/05
SDG #: BER020

For Samples:

GW-1 (4-6 FT)	GW-5 (5-7 FT)
GW-1 (14-16 FT)	GW-5 (15-17 FT)
GW-1 (24-26 FT) MS/MSD	GW-5 (25-27 FT)
GW-2 (5-7 FT)	GW-6 (5-7 FT)
GW-2 (15-17 FT)	GW-6 (15-17 FT)
GW-2 (25-27 FT)	GW-6 (25-27 FT)
GW-3 (5-7 FT)	GW-7 (5-7 FT)
GW-3 (15-17 FT)	GW-7 (15-17 FT)
GW-4 (5-7 FT)	GW-7 (25-27 FT)
GW-4 (15-17 FT)	TRIP BLANK 5/24
GW-4 (25-27 FT)	TRIP BLANK 5/25

The above water samples were analyzed for volatile organics by EPA method 8260B in accordance with the NYSDEC ASP, Rev. 10/95.

All QC data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

- Sample GW-1 (24-26 FT) was analyzed as the matrix spike/matrix spike duplicate. All percent recoveries were within QC limits.
- A lab fortified blank and a matrix spike blank was analyzed. All percent recoveries were within QC limits.
- All samples except the trip blanks were initially analyzed at a dilution. Many samples required reanalysis at an additional dilution due to concentration levels of targeted analytes above the calibration range, in the initial analysis. The results for methylene chloride and tetrachloroethane for the diluted sample of GW-1 (4-6 FT) were higher than the undiluted. Results should be used from the undiluted analysis.

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: June 10, 2005

Joann M. Slavin
Senior Vice President

NRC

o:\qc\narr2005\ber\voa\ber020.doc

BER020 S13

4. SAMPLE REPORTS

4.1 VOLATILES

QUALIFIERS FOR REPORTING ORGANICS DATA

Value - If the result is a value greater than or equal to the quantification limit, report the value.

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to:

$$\frac{(300\ U)}{D} \times df \text{ where } D = \frac{100\% moisture}{100}$$

and df - dilution factor

For example, at 24% moisture, $D = \frac{100-24}{100} = 0.76$

$$\frac{(300\ U)}{.76} \times 10 = 4300\ U$$ rounded to the appropriate number of significant figures

For semivolatile soil samples, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Similarly, pesticide samples subjected to GPC are concentrated to 5.0 mL. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the protocol-specified volume (see Exhibit C), this fact must be accounted for in reporting the sample quantitation limit.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero. (e.g.: If limit of quantification is 10 ug/L and a concentration of 3 ug/L is calculated, report as 3J.) The sample quantitation limit must be adjusted for dilution as discussed for the U flag.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported of Form I with a "P".

C - This flag applies to pesticide results when the identification has been confirmed by GC/MS.. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag, instead use a Laboratory defined flag, discussed below.

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.

E - This flag identified compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration ranges in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, e.g. a diluted analysis is not required for total xylenes unless the concentration of the peak representing the single isomer exceed 200 ug/L or the peak representing the two coeluting isomers on that GC column exceed 400 ug/L. Similarly, if the two 1,2-Dichloroethene isomers coelute, a diluted analysis is not required unless the concentration exceed 400 ug/L.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - This flag indicates suspected column bleed.

Y - This flag denotes concentration of tentatively identified compounds (TICs) to be biased low due to matrix interference with internal standard.

Z - Other specific flags may be required to properly define the results. If used, they must be fully described and such description attached to the Sample Data Summary Package and the SDG narrative. Begin by using "X". If more than one flag is required use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, used the "X" flag to combine several flags as needed. For instance, the "X" flag might combine "A", "B", and "D" flags for some samples. The laboratory defined flags limited to the letters "X", "Y" and "Z".

The combination of flags "BU" or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW1(14-16FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATKR Lab Sample ID: 0505764-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41866.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 5.00

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	25	U
74-83-9	Bromomethane	25	U
75-01-4	Vinyl chloride	42	
75-00-3	Chloroethane	25	U
75-09-2	Methylene chloride	25	U
67-64-1	Acetone	25	U
75-35-4	1,1-Dichloroethene	25	U
75-15-0	Carbon disulfide	25	U
75-34-3	1,1-Dichloroethane	25	U
540-59-0	1,2-Dichloroethene (total)	110	
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	25	U
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon tetrachloride	25	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene	25	U
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-pentanone	25	U
591-78-6	2-Hexanone	25	U
127-18-4	Tetrachloroethene	14000	E
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
100-42-5	Styrene	25	U
1330-20-7	Xylene (total)	25	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW1(14-16FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-002ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41896.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 200.00

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	1000	U
74-83-9	Bromomethane	1000	U
75-01-4	Vinyl chloride	1000	U
75-00-3	Chloroethane	1000	U
75-09-2	Methylene chloride	1000	U
67-64-1	Acetone	1000	U
75-35-4	1,1-Dichloroethene	1000	U
75-15-0	Carbon disulfide	1000	U
75-34-3	1,1-Dichloroethane	1000	U
540-59-0	1,2-Dichloroethene (total)	1000	U
67-66-3	Chloroform	1000	U
107-06-2	1,2-Dichloroethane	1000	U
78-93-3	2-Butanone	1000	U
71-55-6	1,1,1-Trichloroethane	1000	U
56-23-5	Carbon tetrachloride	1000	U
75-27-4	Bromodichloromethane	1000	U
78-87-5	1,2-Dichloropropane	1000	U
10061-01-5	cis-1,3-Dichloropropene	1000	U
79-01-6	Trichloroethene	1000	U
124-48-1	Dibromochloromethane	1000	U
79-00-5	1,1,2-Trichloroethane	1000	U
71-43-2	Benzene	1000	U
10061-02-6	trans-1,3-Dichloropropene	1000	U
75-25-2	Bromoform	1000	U
108-10-1	4-Methyl-2-pentanone	1000	U
591-78-6	2-Hexanone	1000	U
127-18-4	Tetrachloroethene	14000	D
79-34-5	1,1,2,2-Tetrachloroethane	1000	U
108-88-3	Toluene	1000	U
108-90-7	Chlorobenzene	1000	U
100-41-4	Ethylbenzene	1000	U
100-42-5	Styrene	1000	U
1330-20-7	Xylene (total)	1000	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW1(14-16FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-002ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41896.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 200.00

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.

GW1(24-26FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41867.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 5.00

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	25	U
74-83-9	Bromomethane	25	U
75-01-4	Vinyl chloride	16	J
75-00-3	Chloroethane	25	U
75-09-2	Methylene chloride	25	U
67-64-1	Acetone	25	U
75-35-4	1,1-Dichloroethene	25	U
75-15-0	Carbon disulfide	25	U
75-34-3	1,1-Dichloroethane	25	U
540-59-0	1,2-Dichloroethene (total)	45	
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	25	U
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon tetrachloride	25	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene	25	U
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-pentanone	25	U
591-78-6	2-Hexanone	25	U
127-18-4	Tetrachloroethene	2300	E
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
100-42-5	Styrene	25	U
1330-20-7	Xylene (total)	25	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW1(24-26FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41897.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 20.00

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	100	U
74-83-9	Bromomethane	100	U
75-01-4	Vinyl chloride	100	U
75-00-3	Chloroethane	100	U
75-09-2	Methylene chloride	100	U
67-64-1	Acetone	100	U
75-35-4	1,1-Dichloroethene	100	U
75-15-0	Carbon disulfide	100	U
75-34-3	1,1-Dichloroethane	100	U
540-59-0	1,2-Dichloroethene (total)	44	J
67-66-3	Chloroform	100	U
107-06-2	1,2-Dichloroethane	100	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon tetrachloride	100	U
75-27-4	Bromodichloromethane	100	U
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
79-01-6	Trichloroethene	100	U
124-48-1	Dibromochloromethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
71-43-2	Benzene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
75-25-2	Bromoform	100	U
108-10-1	4-Methyl-2-pentanone	100	U
591-78-6	2-Hexanone	100	U
127-18-4	Tetrachloroethene	2300	
79-34-5	1,1,2,2-Tetrachloroethane	100	U
108-88-3	Toluene	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
100-42-5	Styrene	100	U
1330-20-7	Xylene (total)	100	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW1(24-26FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41897.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 20.00

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.

GW1(4-6FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41865.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 5.00

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	25	U
74-83-9	Bromomethane	25	U
75-01-4	Vinyl chloride	7500	E
75-00-3	Chloroethane	25	U
75-09-2	Methylene chloride	25	U
67-64-1	Acetone	25	U
75-35-4	1,1-Dichloroethene	8	J
75-15-0	Carbon disulfide	25	U
75-34-3	1,1-Dichloroethane	25	U
540-59-0	1,2-Dichloroethene (total)	16000	E
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	25	U
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon tetrachloride	25	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene	25	U
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-pentanone	25	U
591-78-6	2-Hexanone	25	U
127-18-4	Tetrachloroethene	14	J
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	6	J
100-42-5	Styrene	25	U
1330-20-7	Xylene (total)	8	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW1(4-6FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-001ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41911.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 200.00

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	1000	U
74-83-9	Bromomethane	1000	U
75-01-4	Vinyl chloride	6900	D
75-00-3	Chloroethane	1000	U
75-09-2	Methylene chloride	340	DBJ
67-64-1	Acetone	1000	U
75-35-4	1,1-Dichloroethene	1000	U
75-15-0	Carbon disulfide	1000	U
75-34-3	1,1-Dichloroethane	1000	U
540-59-0	1,2-Dichloroethene (total)	13000	D
67-66-3	Chloroform	1000	U
107-06-2	1,2-Dichloroethane	1000	U
78-93-3	2-Butanone	1000	U
71-55-6	1,1,1-Trichloroethane	1000	U
56-23-5	Carbon tetrachloride	1000	U
75-27-4	Bromodichloromethane	1000	U
78-87-5	1,2-Dichloropropane	1000	U
10061-01-5	cis-1,3-Dichloropropene	1000	U
79-01-6	Trichloroethene	1000	U
124-48-1	Dibromochloromethane	1000	U
79-00-5	1,1,2-Trichloroethane	1000	U
71-43-2	Benzene	1000	U
10061-02-6	trans-1,3-Dichloropropene	1000	U
75-25-2	Bromoform	1000	U
108-10-1	4-Methyl-2-pentanone	1000	U
591-78-6	2-Hexanone	1000	U
127-18-4	Tetrachloroethene	370	DBJ
79-34-5	1,1,2,2-Tetrachloroethane	1000	U
108-88-3	Toluene	1000	U
108-90-7	Chlorobenzene	1000	U
100-41-4	Ethylbenzene	1000	U
100-42-5	Styrene	1000	U
1330-20-7	Xylene (total)	1000	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW1(4-6FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-001ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41911.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 200.00

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.

GW2(15-17FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41876.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (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)	14	
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	8	
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	140	
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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW2(25-27FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41885.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (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	
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)	32	
67-66-3	Chloroform	2	J
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	8	
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	210	E
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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW2(25-27FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-006ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41909.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 2.50

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	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene chloride	6	DBJ
67-64-1	Acetone	12	U
75-35-4	1,1-Dichloroethene	12	U
75-15-0	Carbon disulfide	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	32	D
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	8	DJ
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	220	DB
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

1F

EPA SAMPLE NO.

GW2(25-27FT)DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-006ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41909.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 2.50

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.

GW2(5-7FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41868.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 5.00

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	25	U
74-83-9	Bromomethane	25	U
75-01-4	Vinyl chloride	85	
75-00-3	Chloroethane	25	U
75-09-2	Methylene chloride	25	U
67-64-1	Acetone	25	U
75-35-4	1,1-Dichloroethene	25	U
75-15-0	Carbon disulfide	25	U
75-34-3	1,1-Dichloroethane	25	U
540-59-0	1,2-Dichloroethene (total)	2800	E
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	25	U
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon tetrachloride	25	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene	230	
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-pentanone	25	U
591-78-6	2-Hexanone	25	U
127-18-4	Tetrachloroethene	1100	E
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
100-42-5	Styrene	25	U
1330-20-7	Xylene (total)	25	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW2(5-7FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-004ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41898.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 20.00

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	100	U
74-83-9	Bromomethane	100	U
75-01-4	Vinyl chloride	75	DJ
75-00-3	Chloroethane	100	U
75-09-2	Methylene chloride	100	U
67-64-1	Acetone	100	U
75-35-4	1,1-Dichloroethene	100	U
75-15-0	Carbon disulfide	100	U
75-34-3	1,1-Dichloroethane	100	U
540-59-0	1,2-Dichloroethene (total)	2800	D
67-66-3	Chloroform	100	U
107-06-2	1,2-Dichloroethane	100	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon tetrachloride	100	U
75-27-4	Bromodichloromethane	100	U
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
79-01-6	Trichloroethene	230	D
124-48-1	Dibromochloromethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
71-43-2	Benzene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
75-25-2	Bromoform	100	U
108-10-1	4-Methyl-2-pentanone	100	U
591-78-6	2-Hexanone	100	U
127-18-4	Tetrachloroethene	1200	D
79-34-5	1,1,2,2-Tetrachloroethane	100	U
108-88-3	Toluene	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
100-42-5	Styrene	100	U
1330-20-7	Xylene (total)	100	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW2(5-7FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-004ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41898.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 20.00

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.

GW3(15-17FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41904.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 2.50

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	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene chloride	6	BJ
67-64-1	Acetone	12	U
75-35-4	1,1-Dichloroethene	12	U
75-15-0	Carbon disulfide	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	55	
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	20	
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	150	B
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW3(5-7FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41884.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 20.00

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	100	U
74-83-9	Bromomethane	100	U
75-01-4	Vinyl chloride	80	J
75-00-3	Chloroethane	100	U
75-09-2	Methylene chloride	68	BJ
67-64-1	Acetone	100	U
75-35-4	1,1-Dichloroethene	100	U
75-15-0	Carbon disulfide	100	U
75-34-3	1,1-Dichloroethane	100	U
540-59-0	1,2-Dichloroethene (total)	3500	
67-66-3	Chloroform	100	U
107-06-2	1,2-Dichloroethane	100	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon tetrachloride	100	U
75-27-4	Bromodichloromethane	100	U
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
79-01-6	Trichloroethene	560	
124-48-1	Dibromochloromethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
71-43-2	Benzene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
75-25-2	Bromoform	100	U
108-10-1	4-Methyl-2-pentanone	100	U
591-78-6	2-Hexanone	100	U
127-18-4	Tetrachloroethene	1500	
79-34-5	1,1,2,2-Tetrachloroethane	100	U
108-88-3	Toluene	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
100-42-5	Styrene	100	U
1330-20-7	Xylene (total)	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW4(15-17FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-010A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41859.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 50.00

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	250	U
74-83-9	Bromomethane	250	U
75-01-4	Vinyl chloride	250	U
75-00-3	Chloroethane	250	U
75-09-2	Methylene chloride	92	J
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	250	U
75-15-0	Carbon disulfide	250	U
75-34-3	1,1-Dichloroethane	250	U
540-59-0	1,2-Dichloroethene (total)	480	
67-66-3	Chloroform	250	U
107-06-2	1,2-Dichloroethane	250	U
78-93-3	2-Butanone	250	U
71-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon tetrachloride	250	U
75-27-4	Bromodichloromethane	250	U
78-87-5	1,2-Dichloropropane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
79-01-6	Trichloroethene	590	
124-48-1	Dibromochloromethane	250	U
79-00-5	1,1,2-Trichloroethane	250	U
71-43-2	Benzene	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
75-25-2	Bromoform	250	U
108-10-1	4-Methyl-2-pentanone	250	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	55000	E
79-34-5	1,1,2,2-Tetrachloroethane	250	U
108-88-3	Toluene	250	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	250	U
100-42-5	Styrene	250	U
1330-20-7	Xylene (total)	250	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW4(15-17FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-010ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41872.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 500.00

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	2500	U
74-83-9	Bromomethane	2500	U
75-01-4	Vinyl chloride	2500	U
75-00-3	Chloroethane	2500	U
75-09-2	Methylene chloride	2500	U
67-64-1	Acetone	2500	U
75-35-4	1,1-Dichloroethene	2500	U
75-15-0	Carbon disulfide	2500	U
75-34-3	1,1-Dichloroethane	2500	U
540-59-0	1,2-Dichloroethene (total)	540	DJ
67-66-3	Chloroform	2500	U
107-06-2	1,2-Dichloroethane	2500	U
78-93-3	2-Butanone	2500	U
71-55-6	1,1,1-Trichloroethane	2500	U
56-23-5	Carbon tetrachloride	2500	U
75-27-4	Bromodichloromethane	2500	U
78-87-5	1,2-Dichloropropane	2500	U
10061-01-5	cis-1,3-Dichloropropene	2500	U
79-01-6	Trichloroethene	620	DJ
124-48-1	Dibromochloromethane	2500	U
79-00-5	1,1,2-Trichloroethane	2500	U
71-43-2	Benzene	2500	U
10061-02-6	trans-1,3-Dichloropropene	2500	U
75-25-2	Bromoform	2500	U
108-10-1	4-Methyl-2-pentanone	2500	U
591-78-6	2-Hexanone	2500	U
127-18-4	Tetrachloroethene	57000	D
79-34-5	1,1,2,2-Tetrachloroethane	2500	U
108-88-3	Toluene	2500	U
108-90-7	Chlorobenzene	2500	U
100-41-4	Ethylbenzene	2500	U
100-42-5	Styrene	2500	U
1330-20-7	Xylene (total)	2500	U

1F

EPA SAMPLE NO.

GW4(15-17FT)DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-010ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41872.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 500.00

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.

GW4(25-27FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATKR Lab Sample ID: 0505764-011A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41860.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 50.00

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	250	U
74-83-9	Bromomethane	250	U
75-01-4	Vinyl chloride	250	U
75-00-3	Chloroethane	250	U
75-09-2	Methylene chloride	88	J
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	250	U
75-15-0	Carbon disulfide	250	U
75-34-3	1,1-Dichloroethane	250	U
540-59-0	1,2-Dichloroethene (total)	440	
67-66-3	Chloroform	250	U
107-06-2	1,2-Dichloroethane	250	U
78-93-3	2-Butanone	250	U
71-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon tetrachloride	250	U
75-27-4	Bromodichloromethane	250	U
78-87-5	1,2-Dichloropropane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
79-01-6	Trichloroethene	430	
124-48-1	Dibromochloromethane	250	U
79-00-5	1,1,2-Trichloroethane	250	U
71-43-2	Benzene	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
75-25-2	Bromoform	250	U
108-10-1	4-Methyl-2-pentanone	250	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	13000	E
79-34-5	1,1,2,2-Tetrachloroethane	250	U
108-88-3	Toluene	250	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	250	U
100-42-5	Styrene	250	U
1330-20-7	Xylene (total)	250	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW4(25-27FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-011ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41864.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 125.00

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	620	U
74-83-9	Bromomethane	620	U
75-01-4	Vinyl chloride	620	U
75-00-3	Chloroethane	620	U
75-09-2	Methylene chloride	160	DJ
67-64-1	Acetone	620	U
75-35-4	1,1-Dichloroethene	620	U
75-15-0	Carbon disulfide	620	U
75-34-3	1,1-Dichloroethane	620	U
540-59-0	1,2-Dichloroethene (total)	420	DJ
67-66-3	Chloroform	620	U
107-06-2	1,2-Dichloroethane	620	U
78-93-3	2-Butanone	620	U
71-55-6	1,1,1-Trichloroethane	620	U
56-23-5	Carbon tetrachloride	620	U
75-27-4	Bromodichloromethane	620	U
78-87-5	1,2-Dichloropropane	620	U
10061-01-5	cis-1,3-Dichloropropene	620	U
79-01-6	Trichloroethene	390	DJ
124-48-1	Dibromochloromethane	620	U
79-00-5	1,1,2-Trichloroethane	620	U
71-43-2	Benzene	620	U
10061-02-6	trans-1,3-Dichloropropene	620	U
75-25-2	Bromoform	620	U
108-10-1	4-Methyl-2-pentanone	620	U
591-78-6	2-Hexanone	620	U
127-18-4	Tetrachloroethene	12000	D
79-34-5	1,1,2,2-Tetrachloroethane	620	U
108-88-3	Toluene	620	U
108-90-7	Chlorobenzene	620	U
100-41-4	Ethylbenzene	620	U
100-42-5	Styrene	620	U
1330-20-7	Xylene (total)	620	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW4(25-27FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-011ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41864.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 125.00

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.

GW4(5-7FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-009A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41880.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 50.00

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	250	U
74-83-9	Bromomethane	250	U
75-01-4	Vinyl chloride	400	
75-00-3	Chloroethane	250	U
75-09-2	Methylene chloride	220	BJ
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	250	U
75-15-0	Carbon disulfide	250	U
75-34-3	1,1-Dichloroethane	250	U
540-59-0	1,2-Dichloroethene (total)	11000	
67-66-3	Chloroform	250	U
107-06-2	1,2-Dichloroethane	250	U
78-93-3	2-Butanone	250	U
71-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon tetrachloride	250	U
75-27-4	Bromodichloromethane	250	U
78-87-5	1,2-Dichloropropane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
79-01-6	Trichloroethene	12000	E
124-48-1	Dibromochloromethane	250	U
79-00-5	1,1,2-Trichloroethane	250	U
71-43-2	Benzene	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
75-25-2	Bromoform	250	U
108-10-1	4-Methyl-2-pentanone	250	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	55000	E
79-34-5	1,1,2,2-Tetrachloroethane	250	U
108-88-3	Toluene	250	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	250	U
100-42-5	Styrene	250	U
1330-20-7	Xylene (total)	250	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW4(5-7FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-009ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41894.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 500.00

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	2500	U
74-83-9	Bromomethane	2500	U
75-01-4	Vinyl chloride	2500	U
75-00-3	Chloroethane	2500	U
75-09-2	Methylene chloride	2100	DBJ
67-64-1	Acetone	2500	U
75-35-4	1,1-Dichloroethene	2500	U
75-15-0	Carbon disulfide	2500	U
75-34-3	1,1-Dichloroethane	2500	U
540-59-0	1,2-Dichloroethene (total)	10000	D
67-66-3	Chloroform	2500	U
107-06-2	1,2-Dichloroethane	2500	U
78-93-3	2-Butanone	2500	U
71-55-6	1,1,1-Trichloroethane	2500	U
56-23-5	Carbon tetrachloride	2500	U
75-27-4	Bromodichloromethane	2500	U
78-87-5	1,2-Dichloropropane	2500	U
10061-01-5	cis-1,3-Dichloropropene	2500	U
79-01-6	Trichloroethene	10000	D
124-48-1	Dibromochloromethane	2500	U
79-00-5	1,1,2-Trichloroethane	2500	U
71-43-2	Benzene	2500	U
10061-02-6	trans-1,3-Dichloropropene	2500	U
75-25-2	Bromoform	2500	U
108-10-1	4-Methyl-2-pentanone	2500	U
591-78-6	2-Hexanone	2500	U
127-18-4	Tetrachloroethene	55000	D
79-34-5	1,1,2,2-Tetrachloroethane	2500	U
108-88-3	Toluene	2500	U
108-90-7	Chlorobenzene	2500	U
100-41-4	Ethylbenzene	2500	U
100-42-5	Styrene	2500	U
1330-20-7	Xylene (total)	2500	U

1F

EPA SAMPLE NO.

GW4(5-7FT)DL

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-009ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41894.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 500.00

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.

GW5(15-17FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-013A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41862.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 250.00

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	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene chloride	310	J
67-64-1	Acetone	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-15-0	Carbon disulfide	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1100	J
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	2200	
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	320000	E
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	U
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	1200	U
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	1200	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW5(15-17FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-013ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41874.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 2,500.00

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	12000	U
74-83-9	Bromomethane	12000	U
75-01-4	Vinyl chloride	12000	U
75-00-3	Chloroethane	12000	U
75-09-2	Methylene chloride	12000	U
67-64-1	Acetone	12000	U
75-35-4	1,1-Dichloroethene	12000	U
75-15-0	Carbon disulfide	12000	U
75-34-3	1,1-Dichloroethane	12000	U
540-59-0	1,2-Dichloroethene (total)	12000	U
67-66-3	Chloroform	12000	U
107-06-2	1,2-Dichloroethane	12000	U
78-93-3	2-Butanone	12000	U
71-55-6	1,1,1-Trichloroethane	12000	U
56-23-5	Carbon tetrachloride	12000	U
75-27-4	Bromodichloromethane	12000	U
78-87-5	1,2-Dichloropropane	12000	U
10061-01-5	cis-1,3-Dichloropropene	12000	U
79-01-6	Trichloroethene	12000	U
124-48-1	Dibromochloromethane	12000	U
79-00-5	1,1,2-Trichloroethane	12000	U
71-43-2	Benzene	12000	U
10061-02-6	trans-1,3-Dichloropropene	12000	U
75-25-2	Bromoform	12000	U
108-10-1	4-Methyl-2-pentanone	12000	U
591-78-6	2-Hexanone	12000	U
127-18-4	Tetrachloroethene	300000	D
79-34-5	1,1,2,2-Tetrachloroethane	12000	U
108-88-3	Toluene	12000	U
108-90-7	Chlorobenzene	12000	U
100-41-4	Ethylbenzene	12000	U
100-42-5	Styrene	12000	U
1330-20-7	Xylene (total)	12000	U

1F

EPA SAMPLE NO.

GW5(15-17FT)DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-013ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41874.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 2,500.00

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.

GW5(25-27FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-014A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41863.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 250.00

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	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene chloride	270	J
67-64-1	Acetone	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-15-0	Carbon disulfide	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	660	J
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1800	
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	300000	E
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	U
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	1200	U
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	1200	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW5(25-27FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-014ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41875.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 2,500.00

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	12000	U
74-83-9	Bromomethane	12000	U
75-01-4	Vinyl chloride	12000	U
75-00-3	Chloroethane	12000	U
75-09-2	Methylene chloride	12000	U
67-64-1	Acetone	12000	U
75-35-4	1,1-Dichloroethene	12000	U
75-15-0	Carbon disulfide	12000	U
75-34-3	1,1-Dichloroethane	12000	U
540-59-0	1,2-Dichloroethene (total)	12000	U
67-66-3	Chloroform	12000	U
107-06-2	1,2-Dichloroethane	12000	U
78-93-3	2-Butanone	12000	U
71-55-6	1,1,1-Trichloroethane	12000	U
56-23-5	Carbon tetrachloride	12000	U
75-27-4	Bromodichloromethane	12000	U
78-87-5	1,2-Dichloropropane	12000	U
10061-01-5	cis-1,3-Dichloropropene	12000	U
79-01-6	Trichloroethene	12000	U
124-48-1	Dibromochloromethane	12000	U
79-00-5	1,1,2-Trichloroethane	12000	U
71-43-2	Benzene	12000	U
10061-02-6	trans-1,3-Dichloropropene	12000	U
75-25-2	Bromoform	12000	U
108-10-1	4-Methyl-2-pentanone	12000	U
591-78-6	2-Hexanone	12000	U
127-18-4	Tetrachloroethene	300000	D
79-34-5	1,1,2,2-Tetrachloroethane	12000	U
108-88-3	Toluene	12000	U
108-90-7	Chlorobenzene	12000	U
100-41-4	Ethylbenzene	12000	U
100-42-5	Styrene	12000	U
1330-20-7	Xylene (total)	12000	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW5(25-27FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-014ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41875.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 2,500.00

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.

GW5(5-7FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-012A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41861.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 250.00

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	1200	U
74-83-9	Bromomethane	1200	U
75-01-4	Vinyl chloride	1200	U
75-00-3	Chloroethane	1200	U
75-09-2	Methylene chloride	270	J
67-64-1	Acetone	1200	U
75-35-4	1,1-Dichloroethene	1200	U
75-15-0	Carbon disulfide	1200	U
75-34-3	1,1-Dichloroethane	1200	U
540-59-0	1,2-Dichloroethene (total)	1200	U
67-66-3	Chloroform	1200	U
107-06-2	1,2-Dichloroethane	1200	U
78-93-3	2-Butanone	1200	U
71-55-6	1,1,1-Trichloroethane	1200	U
56-23-5	Carbon tetrachloride	1200	U
75-27-4	Bromodichloromethane	1200	U
78-87-5	1,2-Dichloropropane	1200	U
10061-01-5	cis-1,3-Dichloropropene	1200	U
79-01-6	Trichloroethene	1200	U
124-48-1	Dibromochloromethane	1200	U
79-00-5	1,1,2-Trichloroethane	1200	U
71-43-2	Benzene	1200	U
10061-02-6	trans-1,3-Dichloropropene	1200	U
75-25-2	Bromoform	1200	U
108-10-1	4-Methyl-2-pentanone	1200	U
591-78-6	2-Hexanone	1200	U
127-18-4	Tetrachloroethene	240000	E
79-34-5	1,1,2,2-Tetrachloroethane	1200	U
108-88-3	Toluene	1200	U
108-90-7	Chlorobenzene	1200	U
100-41-4	Ethylbenzene	1200	U
100-42-5	Styrene	1200	U
1330-20-7	Xylene (total)	1200	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW5(5-7FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-012ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41873.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 2,500.00

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	12000	U
74-83-9	Bromomethane	12000	U
75-01-4	Vinyl chloride	12000	U
75-00-3	Chloroethane	12000	U
75-09-2	Methylene chloride	12000	U
67-64-1	Acetone	12000	U
75-35-4	1,1-Dichloroethene	12000	U
75-15-0	Carbon disulfide	12000	U
75-34-3	1,1-Dichloroethane	12000	U
540-59-0	1,2-Dichloroethene (total)	12000	U
67-66-3	Chloroform	12000	U
107-06-2	1,2-Dichloroethane	12000	U
78-93-3	2-Butanone	12000	U
71-55-6	1,1,1-Trichloroethane	12000	U
56-23-5	Carbon tetrachloride	12000	U
75-27-4	Bromodichloromethane	12000	U
78-87-5	1,2-Dichloropropane	12000	U
10061-01-5	cis-1,3-Dichloropropene	12000	U
79-01-6	Trichloroethene	12000	U
124-48-1	Dibromochloromethane	12000	U
79-00-5	1,1,2-Trichloroethane	12000	U
71-43-2	Benzene	12000	U
10061-02-6	trans-1,3-Dichloropropene	12000	U
75-25-2	Bromoform	12000	U
108-10-1	4-Methyl-2-pentanone	12000	U
591-78-6	2-Hexanone	12000	U
127-18-4	Tetrachloroethene	240000	D
79-34-5	1,1,2,2-Tetrachloroethane	12000	U
108-88-3	Toluene	12000	U
108-90-7	Chlorobenzene	12000	U
100-41-4	Ethylbenzene	12000	U
100-42-5	Styrene	12000	U
1330-20-7	Xylene (total)	12000	U

1F

EPA SAMPLE NO.

GW5(5-7FT)DL

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-012ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41873.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 2,500.00

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.

GW6(15-17FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-016A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41886.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 20.00

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	100	U
74-83-9	Bromomethane	100	U
75-01-4	Vinyl chloride	100	U
75-00-3	Chloroethane	100	U
75-09-2	Methylene chloride	75	BJ
67-64-1	Acetone	100	U
75-35-4	1,1-Dichloroethene	100	U
75-15-0	Carbon disulfide	100	U
75-34-3	1,1-Dichloroethane	100	U
540-59-0	1,2-Dichloroethene (total)	22	J
67-66-3	Chloroform	100	U
107-06-2	1,2-Dichloroethane	100	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon tetrachloride	100	U
75-27-4	Bromodichloromethane	100	U
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
79-01-6	Trichloroethene	50	J
124-48-1	Dibromochloromethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
71-43-2	Benzene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
75-25-2	Bromoform	100	U
108-10-1	4-Methyl-2-pentanone	100	U
591-78-6	2-Hexanone	100	U
127-18-4	Tetrachloroethene	2500	
79-34-5	1,1,2,2-Tetrachloroethane	100	U
108-88-3	Toluene	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
100-42-5	Styrene	100	U
1330-20-7	Xylene (total)	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW6(25-27FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-017A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41887.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 20.00

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	100	U
74-83-9	Bromomethane	100	U
75-01-4	Vinyl chloride	100	U
75-00-3	Chloroethane	100	U
75-09-2	Methylene chloride	77	BJ
67-64-1	Acetone	100	U
75-35-4	1,1-Dichloroethene	100	U
75-15-0	Carbon disulfide	100	U
75-34-3	1,1-Dichloroethane	100	U
540-59-0	1,2-Dichloroethene (total)	34	J
67-66-3	Chloroform	100	U
107-06-2	1,2-Dichloroethane	100	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon tetrachloride	100	U
75-27-4	Bromodichloromethane	100	U
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
79-01-6	Trichloroethene	48	J
124-48-1	Dibromochloromethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
71-43-2	Benzene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
75-25-2	Bromoform	100	U
108-10-1	4-Methyl-2-pentanone	100	U
591-78-6	2-Hexanone	100	U
127-18-4	Tetrachloroethene	1400	
79-34-5	1,1,2,2-Tetrachloroethane	100	U
108-88-3	Toluene	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
100-42-5	Styrene	100	U
1330-20-7	Xylene (total)	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW6(5-7FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-015A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41881.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 5.00

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	25	U
74-83-9	Bromomethane	25	U
75-01-4	Vinyl chloride	6	J
75-00-3	Chloroethane	25	U
75-09-2	Methylene chloride	8	BJ
67-64-1	Acetone	25	U
75-35-4	1,1-Dichloroethene	25	U
75-15-0	Carbon disulfide	25	U
75-34-3	1,1-Dichloroethane	25	U
540-59-0	1,2-Dichloroethene (total)	360	
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	25	U
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon tetrachloride	25	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene	860	
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-pentanone	25	U
591-78-6	2-Hexanone	25	U
127-18-4	Tetrachloroethene	34000	E
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
100-42-5	Styrene	25	U
1330-20-7	Xylene (total)	25	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW6(5-7FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-015ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41908.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 500.00

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	2500	U
74-83-9	Bromomethane	2500	U
75-01-4	Vinyl chloride	2500	U
75-00-3	Chloroethane	2500	U
75-09-2	Methylene chloride	1500	DBJ
67-64-1	Acetone	2500	U
75-35-4	1,1-Dichloroethene	2500	U
75-15-0	Carbon disulfide	2500	U
75-34-3	1,1-Dichloroethane	2500	U
540-59-0	1,2-Dichloroethene (total)	2500	U
67-66-3	Chloroform	2500	U
107-06-2	1,2-Dichloroethane	2500	U
78-93-3	2-Butanone	2500	U
71-55-6	1,1,1-Trichloroethane	2500	U
56-23-5	Carbon tetrachloride	2500	U
75-27-4	Bromodichloromethane	2500	U
78-87-5	1,2-Dichloropropane	2500	U
10061-01-5	cis-1,3-Dichloropropene	2500	U
79-01-6	Trichloroethene	680	DJ
124-48-1	Dibromochloromethane	2500	U
79-00-5	1,1,2-Trichloroethane	2500	U
71-43-2	Benzene	2500	U
10061-02-6	trans-1,3-Dichloropropene	2500	U
75-25-2	Bromoform	2500	U
108-10-1	4-Methyl-2-pentanone	2500	U
591-78-6	2-Hexanone	2500	U
127-18-4	Tetrachloroethene	34000	DB
79-34-5	1,1,2,2-Tetrachloroethane	2500	U
108-88-3	Toluene	2500	U
108-90-7	Chlorobenzene	2500	U
100-41-4	Ethylbenzene	2500	U
100-42-5	Styrene	2500	U
1330-20-7	Xylene (total)	2500	U

1F

EPA SAMPLE NO.

GW6(5-7FT)DL

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-015ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41908.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 500.00

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.

GW7(15-17FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-019A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41889.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 5.00

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	25	U
74-83-9	Bromomethane	25	U
75-01-4	Vinyl chloride	26	
75-00-3	Chloroethane	25	U
75-09-2	Methylene chloride	9	BJ
67-64-1	Acetone	25	U
75-35-4	1,1-Dichloroethene	11	J
75-15-0	Carbon disulfide	25	U
75-34-3	1,1-Dichloroethane	25	U
540-59-0	1,2-Dichloroethene (total)	360	
67-66-3	Chloroform	25	U
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	25	U
71-55-6	1,1,1-Trichloroethane	25	U
56-23-5	Carbon tetrachloride	25	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene	480	
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-pentanone	25	U
591-78-6	2-Hexanone	25	U
127-18-4	Tetrachloroethene	63000	E
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
100-42-5	Styrene	25	U
1330-20-7	Xylene (total)	25	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW7(15-17FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-019ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41906.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1,250.00

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	6200	U
74-83-9	Bromomethane	6200	U
75-01-4	Vinyl chloride	6200	U
75-00-3	Chloroethane	6200	U
75-09-2	Methylene chloride	6200	U
67-64-1	Acetone	6200	U
75-35-4	1,1-Dichloroethene	6200	U
75-15-0	Carbon disulfide	6200	U
75-34-3	1,1-Dichloroethane	6200	U
540-59-0	1,2-Dichloroethene (total)	6200	U
67-66-3	Chloroform	6200	U
107-06-2	1,2-Dichloroethane	6200	U
78-93-3	2-Butanone	6200	U
71-55-6	1,1,1-Trichloroethane	6200	U
56-23-5	Carbon tetrachloride	6200	U
75-27-4	Bromodichloromethane	6200	U
78-87-5	1,2-Dichloropropane	6200	U
10061-01-5	cis-1,3-Dichloropropene	6200	U
79-01-6	Trichloroethene	6200	U
124-48-1	Dibromochloromethane	6200	U
79-00-5	1,1,2-Trichloroethane	6200	U
71-43-2	Benzene	6200	U
10061-02-6	trans-1,3-Dichloropropene	6200	U
75-25-2	Bromoform	6200	U
108-10-1	4-Methyl-2-pentanone	6200	U
591-78-6	2-Hexanone	6200	U
127-18-4	Tetrachloroethene	150000	DB
79-34-5	1,1,2,2-Tetrachloroethane	6200	U
108-88-3	Toluene	6200	U
108-90-7	Chlorobenzene	6200	U
100-41-4	Ethylbenzene	6200	U
100-42-5	Styrene	6200	U
1330-20-7	Xylene (total)	6200	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW7(15-17FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-019ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41906.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1,250.00

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.

GW7(25-27FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-020A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41890.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 5.00

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	25	U
74-83-9	Bromomethane	25	U
75-01-4	Vinyl chloride	8	J
75-00-3	Chloroethane	25	U
75-09-2	Methylene chloride	9	BJ
67-64-1	Acetone	25	U
75-35-4	1,1-Dichloroethene	36	
75-15-0	Carbon disulfide	25	U
75-34-3	1,1-Dichloroethane	25	U
540-59-0	1,2-Dichloroethene (total)	160	
67-66-3	Chloroform	7	J
107-06-2	1,2-Dichloroethane	25	U
78-93-3	2-Butanone	25	U
71-55-6	1,1,1-Trichloroethane	6	J
56-23-5	Carbon tetrachloride	25	U
75-27-4	Bromodichloromethane	25	U
78-87-5	1,2-Dichloropropane	25	U
10061-01-5	cis-1,3-Dichloropropene	25	U
79-01-6	Trichloroethene	420	
124-48-1	Dibromochloromethane	25	U
79-00-5	1,1,2-Trichloroethane	25	U
71-43-2	Benzene	25	U
10061-02-6	trans-1,3-Dichloropropene	25	U
75-25-2	Bromoform	25	U
108-10-1	4-Methyl-2-pentanone	25	U
591-78-6	2-Hexanone	25	U
127-18-4	Tetrachloroethene	64000	E
79-34-5	1,1,2,2-Tetrachloroethane	25	U
108-88-3	Toluene	25	U
108-90-7	Chlorobenzene	25	U
100-41-4	Ethylbenzene	25	U
100-42-5	Styrene	25	U
1330-20-7	Xylene (total)	25	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW7(25-27FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-020ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41907.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1,250.00

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	6200	U
74-83-9	Bromomethane	6200	U
75-01-4	Vinyl chloride	6200	U
75-00-3	Chloroethane	6200	U
75-09-2	Methylene chloride	6200	U
67-64-1	Acetone	6200	U
75-35-4	1,1-Dichloroethene	6200	U
75-15-0	Carbon disulfide	6200	U
75-34-3	1,1-Dichloroethane	6200	U
540-59-0	1,2-Dichloroethene (total)	6200	U
67-66-3	Chloroform	6200	U
107-06-2	1,2-Dichloroethane	6200	U
78-93-3	2-Butanone	6200	U
71-55-6	1,1,1-Trichloroethane	6200	U
56-23-5	Carbon tetrachloride	6200	U
75-27-4	Bromodichloromethane	6200	U
78-87-5	1,2-Dichloropropane	6200	U
10061-01-5	cis-1,3-Dichloropropene	6200	U
79-01-6	Trichloroethene	6200	U
124-48-1	Dibromochloromethane	6200	U
79-00-5	1,1,2-Trichloroethane	6200	U
71-43-2	Benzene	6200	U
10061-02-6	trans-1,3-Dichloropropene	6200	U
75-25-2	Bromoform	6200	U
108-10-1	4-Methyl-2-pentanone	6200	U
591-78-6	2-Hexanone	6200	U
127-18-4	Tetrachloroethene	140000	DB
79-34-5	1,1,2,2-Tetrachloroethane	6200	U
108-88-3	Toluene	6200	U
108-90-7	Chlorobenzene	6200	U
100-41-4	Ethylbenzene	6200	U
100-42-5	Styrene	6200	U
1330-20-7	Xylene (total)	6200	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW7(25-27FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-020ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41907.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1,250.00

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.

GW7(5-7FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-018A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41888.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 20.00

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	100	U
74-83-9	Bromomethane	100	U
75-01-4	Vinyl chloride	100	U
75-00-3	Chloroethane	100	U
75-09-2	Methylene chloride	79	BJ
67-64-1	Acetone	100	U
75-35-4	1,1-Dichloroethene	100	U
75-15-0	Carbon disulfide	100	U
75-34-3	1,1-Dichloroethane	100	U
540-59-0	1,2-Dichloroethene (total)	81	J
67-66-3	Chloroform	100	U
107-06-2	1,2-Dichloroethane	100	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon tetrachloride	100	U
75-27-4	Bromodichloromethane	100	U
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
79-01-6	Trichloroethene	32	J
124-48-1	Dibromochloromethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
71-43-2	Benzene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
75-25-2	Bromoform	100	U
108-10-1	4-Methyl-2-pentanone	100	U
591-78-6	2-Hexanone	100	U
127-18-4	Tetrachloroethene	1200	
79-34-5	1,1,2,2-Tetrachloroethane	100	U
108-88-3	Toluene	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
100-42-5	Styrene	100	U
1330-20-7	Xylene (total)	100	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK 5/24

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-021A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41922.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (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
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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

TRIPBLANK 5/25

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: 0505764-022A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41923.D

Level: (low/med) LOW Date Received: 05/26/05

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (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
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

5. SURROGATE SPIKE ANALYSIS RESULTS

5.1 VOLATILES

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

	EPA SAMPLE NO.	SMC1 DCE #	SMC2 TOL #	SMC3 BFB #	OTHER	TOT OUT
01	VBLK060105	94	103	96		0
02	LFB060105	99	100	101		0
03	MSB060105	93	102	97		0
04	GW4(15-17FT)	96	103	99		0
05	GW4(25-27FT)	92	103	99		0
06	GW5(5-7FT)	93	102	95		0
07	GW5(15-17FT)	93	101	97		0
08	GW5(25-27FT)	95	101	98		0
09	GW4(25-27FT)DL	95	103	97		0
10	GW1(4-6FT)	94	104	99		0
11	GW1(14-16FT)	92	100	96		0
12	GW1(24-26FT)	93	103	96		0
13	GW2(5-7FT)	93	105	97		0
14	GW1(24-26FT)MS	93	102	96		0
15	GW1(24-26FT)MSD	95	102	96		0
16	GW4(15-17FT)DL	94	102	97		0
17	GW5(5-7FT)DL	95	102	97		0
18	GW5(15-17FT)DL	92	104	95		0
19	GW5(25-27FT)DL	92	102	97		0
20	GW2(15-17FT)	94	103	97		0
21	VBLK060205	94	102	94		0
22	GW4(5-7FT)	96	100	95		0
23	GW6(5-7FT)	95	97	95		0
24	GW3(5-7FT)	95	102	95		0
25	GW2(25-27FT)	95	102	96		0
26	GW6(15-17FT)	95	102	95		0
27	GW6(25-27FT)	94	102	96		0
28	GW7(5-7FT)	96	102	95		0
29	GW7(15-17FT)	97	92	90		0

		QC Limit
SMC 1 DCE	= 1,2-Dichloroethane-d4	(76-114)
SMC 2 TOL	= Toluene-d8	(88-110)
SMC 3 BFB	= 4-Bromofluorobenzene	(86-115)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

	EPA SAMPLE NO.	SMC1 DCE #	SMC2 TOL #	SMC3 BFB #	OTHER	TOT OUT
31	GW7(25-27FT)	92	95	91		0
32	GW4(5-7FT)DL	94	102	95		0
33	GW1(14-16FT)DL	95	103	95		0
34	GW1(24-26FT)	96	101	94		0
35	GW2(5-7FT)DL	97	102	95		0
36	VBLK060305	90	103	96		0
37	GW3(15-17FT)	92	104	97		0
38	GW7(15-17FT)DL	95	102	95		0
39	GW7(25-27FT)DL	94	102	97		0
40	GW6(5-7FT)DL	94	101	97		0
41	GW2(25-27FT)DL	94	102	97		0
42	GW1(4-6FT)DL	94	102	96		0
43	VBLK060305	92	103	93		0
44	TRIPBLANK 5/24	95	104	93		0
45	TRIPBLANK 5/25	94	105	94		0

		QC Limit
SMC 1 DCE	= 1,2-Dichloroethane-d4	(76-114)
SMC 2 TOL	= Toluene-d8	(88-110)
SMC 3 BFB	= 4-Bromofluorobenzene	(86-115)

Column to be used to flag recovery values

* Values outside of contract required QC limits

6. MATRIX SPIKE / MATRIX SPIKE DUPLICATE SUMMARY

6.1 VOLATILES

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER020

Matrix Spike - EPA Sample No.: GW-1 (24-26 FT)

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	250	0	220	88	61-145
Trichloroethene	250	0	230	92	71-120
Benzene	250	0	230	92	76-127
Toluene	250	0	230	93	76-125
Chlorobenzene	250	0	230	91	75-130

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	250	236	94	7	14	61-145
Trichloroethene	250	239	96	4	14	71-120
Benzene	250	238	95	3	11	76-127
Toluene	250	242	97	4	13	76-125
Chlorobenzene	250	236	94	3	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 0 out of 10 outside limits

COMMENTS:

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER020

Sample ID LFB060105 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	SPIKE CONCENTRATION (µg/L)	SPIKE % REC #	QC. LIMITS REC.
Chloromethane	50	0	49	98	70-114
Bromomethane	50	0	52.8	106	50-136
Vinyl chloride	50	0	47.1	94	66-117
Chloroethane	50	0	49.6	99	71-116
Methylene chloride	50	0	48.9	98	80-112
Acetone	50	0	47.4	95	71-125
1,1-Dichloroethene	50	0	48.6	97	67-120
Carbon disulfide	50	0	48.5	97	61-126
1,1-Dichloroethane	50	0	48.4	97	77-114
1,2-Dichloroethene (total)	100	0	95.9	96	78-128
Chloroform	50	0	49	98	75-119
1,2-Dichloroethane	50	0	49.5	99	76-120
2-Butanone	50	0	48.3	97	74-121
1,1,1-Trichloroethane	50	0	47.7	95	66-126
Carbon tetrachloride	50	0	48	96	64-126
Bromodichloromethane	50	0	48.9	98	78-118
1,2-Dichloropropane	50	0	48.6	97	81-115
cis-1,3-Dichloropropene	50	0	49	98	79-116
Trichloroethene	50	0	47.5	95	72-121
Dibromochloromethane	50	0	49.7	99	75-125
1,1,2-Trichloroethane	50	0	51	102	82-116
Benzene	50	0	48.2	96	77-116
trans-1,3-Dichloropropene	50	0	49	98	77-120
Bromoform	50	0	49.4	99	75-121
4-Methyl-2-pentanone	50	0	50.7	101	79-121
2-Hexanone	50	0	49.5	99	76-119
Tetrachloroethene	50	0	46.3	93	59-133
1,1,2,2-Tetrachloroethane	50	0	51.7	103	77-120
Toluene	50	0	47.8	96	70-125
Chlorobenzene	50	0	48.7	97	72-124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 33 outside limits

COMMENTS:

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER020

Sample ID LFB060105 Level: (low/med) LOW

Ethylbenzene	50	0	48.6	97	68-128
Styrene	50	0	49.2	98	72-124
Xylene (total)	150	0	155	103	78-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 33 outside limits

COMMENTS:

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER020

Sample ID MSB060105 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	SPIKE CONCENTRATION (µg/L)	SPIKE % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	57.1	114	61-145
Trichloroethene	50	0	54.9	110	71-120
Benzene	50	0	53.2	106	76-127
Toluene	50	0	54	108	76-125
Chlorobenzene	50	0	52.8	106	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III SW8260B

BER020 S96

7. BLANK SUMMARY DATA AND RESULTS

7.1 VOLATILES

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK060105

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Lab File ID: A\A41854.D Lab Sample ID: VBLK060105

Date Analyzed: 06/01/05 Time Analyzed: 9:54

GC Column: R-502.2 ID: .53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5971

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LFB060105	LFB060105	A\A41855.D	10:24
02	MSB060105	MSB060105	A\A41858.D	11:53
03	GW4(15-17FT)	0505764-010A	A\A41859.D	12:22
04	GW4(25-27FT)	0505764-011A	A\A41860.D	12:50
05	GW5(5-7FT)	0505764-012A	A\A41861.D	13:19
06	GW5(15-17FT)	0505764-013A	A\A41862.D	13:49
07	GW5(25-27FT)	0505764-014A	A\A41863.D	14:19
08	GW4(25-27FT)DL	0505764-011ADL	A\A41864.D	14:49
09	GW1(4-6FT)	0505764-001A	A\A41865.D	15:18
10	GW1(14-16FT)	0505764-002A	A\A41866.D	15:48
11	GW1(24-26FT)	0505764-003A	A\A41867.D	16:18
12	GW2(5-7FT)	0505764-004A	A\A41868.D	16:48
13	GW1(24-26FT)MS	0505764-003AMS	A\A41870.D	17:54
14	GW1(24-26FT)MSD	0505764-003AMSD	A\A41871.D	18:23
15	GW4(15-17FT)DL	0505764-010ADL	A\A41872.D	18:53
16	GW5(5-7FT)DL	0505764-012ADL	A\A41873.D	19:23
17	GW5(15-17FT)DL	0505764-013ADL	A\A41874.D	19:53
18	GW5(25-27FT)DL	0505764-014ADL	A\A41875.D	20:22
19	GW2(15-17FT)	0505764-005A	A\A41876.D	20:52

COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK060105

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: VBLK060105

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41854.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (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
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

1F

EPA SAMPLE NO.

VBLK060105

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: VBLK060105

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41854.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/01/05

GC Column: R-502.2 ID: .53 (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

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK060205

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Lab File ID: A\A41879.D Lab Sample ID: VBLK060205

Date Analyzed: 06/02/05 Time Analyzed: 9:56

GC Column: R-502.2 ID: .53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5971

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	GW4(5-7FT)	0505764-009A	A\A41880.D	10:30
02	GW6(5-7FT)	0505764-015A	A\A41881.D	11:00
03	GW3(5-7FT)	0505764-007A	A\A41884.D	12:44
04	GW2(25-27FT)	0505764-006A	A\A41885.D	13:14
05	GW6(15-17FT)	0505764-016A	A\A41886.D	13:43
06	GW6(25-27FT)	0505764-017A	A\A41887.D	14:13
07	GW7(5-7FT)	0505764-018A	A\A41888.D	14:42
08	GW7(15-17FT)	0505764-019A	A\A41889.D	15:20
09	GW7(25-27FT)	0505764-020A	A\A41890.D	15:50
10	GW4(5-7FT)DL	0505764-009ADL	A\A41894.D	18:37
11	GW1(14-16FT)DL	0505764-002ADL	A\A41896.D	19:36
12	GW1(24-26FT)	0505764-003A	A\A41897.D	20:05
13	GW2(5-7FT)DL	0505764-004ADL	A\A41898.D	20:35

COMMENTS:

1A

EPA SAMPLE NO.

VOLATILE ORGANICS ANALYSIS DATA SHEET

VBLK060205

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: VBLK060205

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41879.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (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	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
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

1F

EPA SAMPLE NO.

VBLK060205

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: VBLK060205

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41879.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/02/05

GC Column: R-502.2 ID: .53 (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

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK060305

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Lab File ID: A\A41902.D Lab Sample ID: VBLK060305

Date Analyzed: 06/03/05 Time Analyzed: 10:28

GC Column: R-502.2 ID: .53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5971

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	GW3(15-17FT)	0505764-008A	A\A41904.D	11:30
02	GW7(15-17FT)DL	0505764-019ADL	A\A41906.D	12:47
03	GW7(25-27FT)DL	0505764-020ADL	A\A41907.D	13:17
04	GW6(5-7FT)DL	0505764-015ADL	A\A41908.D	13:47
05	GW2(25-27FT)DL	0505764-006ADL	A\A41909.D	14:17
06	GW1(4-6FT)DL	0505764-001ADL	A\A41911.D	15:16

COMMENTS: _____

4A

EPA SAMPLE NO.

VOLATILE METHOD BLANK SUMMARY

VBLK060305

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Lab File ID: A\A41920.D Lab Sample ID: VBLK060305

Date Analyzed: 06/03/05 Time Analyzed: 19:35

GC Column: R-502.2 ID: .53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5971

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	TRIPBLANK 5/24	0505764-021A	A\A41922.D	20:34
02	TRIPBLANK 5/25	0505764-022A	A\A41923.D	21:04

COMMENTS:

page 1 of 1

FORM IV VOA OLM04.2

BER020 S105

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK060305

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: VBLK060305

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41902.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (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	2	J
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
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	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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK060305

b Name: H2M LABS, INC. Contract: _____

o Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: VBLK060305

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41902.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (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.

VBLK060305

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR020

Matrix: (soil/water) WATER Lab Sample ID: VBLK060305

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41920.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (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
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
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

1F

EPA SAMPLE NO.

VBLK060305

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Matrix: (soil/water) WATER Lab Sample ID: VBLK060305

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41920.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/03/05

GC Column: R-502.2 ID: .53 (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

8. INTERNAL STANDARD AREA DATA

8.1 VOLATILES

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Lab File ID (Standard): A\A41853.D Date Analyzed: 06/01/05

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 9:24

Instrument ID: HP5971 Heated Purge: (Y/N) N

GC Column: R-502.2 ID: .53 (mm)

		IS1 AREA #	RT #	IS2 DFB AREA #	RT #	IS3 CBZ AREA #	RT #
	12 HOUR STD	70357	10.06	327778	10.94	293950	15.6
	UPPER LIMIT	140714	10.56	655556	11.44	587900	16.1
	LOWER LIMIT	35179	9.56	163889	10.44	146975	15.1
	EPA SAMPLE						
01	VBLK060105	71034	10.00	327982	10.88	279599	15.58
02	LFB060105	69690	9.95	323562	10.85	291197	15.55
03	MSB060105	69163	10.01	319744	10.90	282482	15.58
04	GW4(15-17FT)	78351	9.98	363938	10.87	323184	15.57
05	GW4(25-27FT)	70207	9.92	322417	10.81	280289	15.54
06	GW5(5-7FT)	69803	9.97	318888	10.86	280642	15.56
07	GW5(15-17FT)	69378	9.93	322873	10.82	280941	15.55
08	GW5(25-27FT)	69436	9.96	319646	10.85	281027	15.56
09	GW4(25-27FT)DL	68120	9.92	317989	10.83	275498	15.55
10	GW1(4-6FT)	69321	9.94	321189	10.84	277864	15.56
11	GW1(14-16FT)	69836	9.98	321975	10.87	286090	15.57
12	GW1(24-26FT)	69596	10.00	321555	10.89	279919	15.58
13	GW2(5-7FT)	68456	10.04	315852	10.92	273546	15.60
14	GW1(24-26FT)MS	70019	10.06	319448	10.94	280767	15.60
15	GW1(24-26FT)MSD	68026	9.99	318628	10.88	280846	15.57
16	GW4(15-17FT)DL	70607	10.02	323846	10.90	281445	15.58
17	GW5(5-7FT)DL	67713	10.02	314743	10.90	273777	15.58
18	GW5(15-17FT)DL	69165	9.91	317089	10.82	272267	15.54
19	GW5(25-27FT)DL	68864	10.01	314289	10.89	274143	15.57
20	GW2(15-17FT)	68649	9.95	315702	10.85	273762	15.55

gmd 6/9/05

IS1 = Bromochloromethane
IS2 DFB = 1,4-Difluorobenzene
IS3 CBZ = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Lab File ID (Standard): A\A41878.D Date Analyzed: 06/02/05

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 9:26

Instrument ID: HP5971 Heated Purge: (Y/N) N

GC Column: R-502.2 ID: .53 (mm)

		IS1 AREA #	RT #	IS2 DFB AREA #	RT #	IS3 CBZ AREA #	RT #
	12 HOUR STD	69405	9.98	318862	10.87	287024	15.56
	UPPER LIMIT	138810	10.48	637724	11.37	574048	16.06
	LOWER LIMIT	34703	9.48	159431	10.37	143512	15.06
	EPA SAMPLE						
01	VBLK060205	68670	9.96	321467	10.85	278589	15.54
02	GW4(5-7FT)	67633	9.95	315249	10.84	281511	15.55
03	GW6(5-7FT)	69864	9.98	321655	10.87	294746	15.56
04	GW3(5-7FT)	68208	9.87	317369	10.78	276631	15.53
05	GW2(25-27FT)	68099	9.95	313341	10.85	274329	15.55
06	GW6(15-17FT)	68469	9.93	318035	10.83	276900	15.54
07	GW6(25-27FT)	69949	9.93	314074	10.83	275280	15.55
08	GW7(5-7FT)	68013	9.93	311849	10.84	272486	15.55
09	GW7(15-17FT)	66423	10.05	320496	10.93	312521	15.60
10	GW7(25-27FT)	70035	10.01	328311	10.90	308587	15.59
11	GW4(5-7FT)DL	69603	9.97	321020	10.86	275216	15.57
12	GW1(14-16FT)DL	68540	9.96	312970	10.85	270080	15.57
13	GW1(24-26FT)	68916	10.01	316058	10.90	276024	15.58
14	GW2(5-7FT)DL	67684	9.95	312166	10.84	272521	15.57

IS1 = Bromochloromethane
IS2 DFB = 1,4-Difluorobenzene
IS3 CBZ = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Lab File ID (Standard): A\A41901.D Date Analyzed: 06/03/05

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 9:56

Instrument ID: HP5971 Heated Purge: (Y/N) N

GC Column: R-502.2 ID: .53 (mm)

		IS1 AREA #	RT #	IS2 DFB AREA #	RT #	IS3 CBZ AREA #	RT #
	12 HOUR STD	68895	9.9	321814	10.8	288195	15.52
	UPPER LIMIT	137790	10.4	643628	11.3	576390	16.02
	LOWER LIMIT	34448	9.4	160907	10.3	144098	15.02
	EPA SAMPLE						
01	VBLK060305	70842	9.93	321321	10.84	276817	15.55
02	GW3(15-17FT)	69169	10.02	317586	10.91	272743	15.59
03	GW7(15-17FT)DL	68108	9.99	316522	10.88	273634	15.58
04	GW7(25-27FT)DL	68915	9.97	320465	10.86	275665	15.57
05	GW6(5-7FT)DL	68046	9.99	318271	10.89	276642	15.58
06	GW2(25-27FT)DL	68540	9.97	311557	10.87	270865	15.57
07	GW1(4-6FT)DL	66991	9.94	313320	10.84	271827	15.57

IS1 = Bromochloromethane
IS2 DFB = 1,4-Difluorobenzene
IS3 CBZ = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER020

Lab File ID (Standard): A\A41919.D Date Analyzed: 06/03/05

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 19:01

Instrument ID: HP5971 Heated Purge: (Y/N) N

GC Column: R-502.2 ID: .53 (mm)

		IS1 AREA #	RT #	IS2 DFB AREA #	RT #	IS3 CBZ AREA #	RT #
	12 HOUR STD	68439	9.99	316859	10.88	286206	15.58
	UPPER LIMIT	136878	10.49	633718	11.38	572412	16.08
	LOWER LIMIT	34220	9.49	158430	10.38	143103	15.08
	EPA SAMPLE						
01	VBLK060305	68456	10.02	312358	10.91	270328	15.61
02	TRIPBLANK 5/24	68450	9.99	316288	10.88	270406	15.59
03	TRIPBLANK 5/25	68730	9.96	315177	10.86	269583	15.58

IS1 = Bromochloromethane
IS2 DFB = 1,4-Difluorobenzene
IS3 CBZ = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Analytical Data Package For

BERNINGER ENVIRONMENTAL PROJECT: ROSE CLEANERS 500 LEXINGTON AVENUE MT. KISCO, NY SDG NO: BER021

Soil Samples
Received: 6/2/05

SAMPLE DATA SUMMARY PACKAGE

June 2005

H2M LABS, INC.
Environmental Testing Laboratories
575 Broad Hollow Road, Melville, N.Y. 11747

H2M LABS, INC.

SAMPLE DATA SUMMARY PACKAGE

TABLE OF CONTENTS

BERNINGER ENVIRONMENTAL
PROJECT: ROSE CLEANERS
500 LEXINGTON AVENUE MT. KISCO, NY
SAMPLES RECEIVED: 6/2/05
SDG NO.: BER021

1. NYS DEC SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: BER021

Analytical Requirements

Customer Sample Code	Laboratory Sample Code	MSVOA
SB-9 (3-4 FT)	0506059-001	X
SB-10 (3-4 FT)	0506059-002	X
SB-11 (0.5-1 FT)	0506059-003	X
SB-12 (3-4 FT)	0506059-004	X
SB-13 (0-3 FT)	0506059-005	X
SED-1 (0-6")	0506059-006	X
SED-2 (0-6")	0506059-007	X
SED-3 (0-6")	0506059-008	X
SED-4 (0-6")	0506059-009	X
SED-5 (0-6")	0506059-010	X

CLP, (Non-CLP) (Please indicate year of protocol) ASP B 10/95 KJS 6/16/05
TCL/TAL, HSL, Priority Pollutant,

BER021 S3

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: BER021

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
0506059-001A	SB-9 (3-4 FT)	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-002A	SB-10 (3-4 FT)	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-002ADL	SB-10 (3-4")DL	Soil	ASP95-1	01-Jun-05	02-Jun-05		08-Jun-05		1	MED	
0506059-003A	SB-11 (0.5-1 FT)	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-004A	SB-12 (3-4 FT)	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-004ADL	SB-12 (3-4 FT)DL	Soil	ASP95-1	01-Jun-05	02-Jun-05		08-Jun-05		5	LOW	
0506059-005A	SB-13 (0-3 FT)	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-006A	SED-1 (0-6")	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-006AMS	SED-1 (0-6")MS	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-006AMSD	SED-1 (0-6")MSD	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-007A	SED-2 (0-6")	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-008A	SED-3 (0-6")	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-009A	SED-4 (0-6")	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506059-010A	SED-5 (0-6")	Soil	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	

2. CHAIN OF CUSTODY DOCUMENTATION

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (516) 694-3040 Fax: (516) 420-8436

1551

PO# 3006 1388

EXTERNAL CHAIN OF CUSTODY

CLIENT: BERNINGER ENVIRONMENTAL | H2M SDG NO: BER021

PROJECT NAME/NUMBER: ROSE CLEANERS, 500 Lexington Avenue Mt Kisco

SAMPLERS: (signature)/Client: Jill Harrison, Berninger Environmental Dm

DELIVERABLES: B570D

TURNAROUND TIME: 21 DAYS

NOTES: TCL VOAs plus TICs & 8260

Project Contact: Jill H.

Phone Number: 516 647-4211

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	Sample Container Description: 40mL VIAL HCl				2 oz	1 oz			ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB		VOA	Mod	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
6/1/05	9:00	S	SB-9 3-4 Ft	2													1	1			0506059-001AB	
	10:20	S	SB-10 3-4 Ft	2													1	1			2	
	11:30	S	SB-11 0.5-1 Ft	2													1	1			3	
	12:50	S	SB-12 3-4 Ft	2													1	1			4	
	13:45	S	SB-13 0-3 Ft	2													1	1			5	
	12:20	S	SED-1 0-6"	3													2	1			6	MS/MSD
	12:30	S	SED-2	2													1	1			7	
	13:00	S	SED-3	2													1	1			8	
	12:45	S	SED-4	2													1	1			9	
	12:31	S	SED-5	2													1	1			10	

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Peter Daniels	6/2/05	11:30		6/2/05	1130
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
3. Received in good condition: Y or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

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

BER021S6

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT PINK COPY - LABORATORY

H2M LABS, INC.

BER021

Sample Receipt Checklist

Client Name BER

Date and Time Receive 6/2/2005 11:30:00 AM

Work Order Numbe 0506059

Received by BGL

Checklist completed b Signature 6.2.05 Date

Reviewed by SMG Initials 6/3/05 Date

Matrix

Carrier name Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Applicable ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Applicable ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
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 ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
ntainer/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Adjusted? Checked b

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted Date contacted: Person contacted

Contacted by: Regarding

Comments:

Corrective Action

BER021 S7

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: BER DELIVERABLES: B570D TURN AROUND TIME: 21 DAYS

SDG #: BER021 CASE #: X MATRIX: Soil pH CHECK Y or (N)

REMARKS: 044BER05

RECEIVED BY: B&L SIGNATURE: Brett Saylor DATE: 6-2-05 TIME: 11:30

CLIENT ID	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
SB-9 (3-4FT)	050609-001A	6-1-05	A	1	ASPBS-8260_STICS
SB-10 (3-4FT)	2				
SB-11 (05-1FT)	3				
SB-12 (3-4FT)	4				
SB-13 (0-3FT)	5				
SED-1 (0-6") MS/MSD	6			2	
"	7				
"	8				
"	9				
"	10				
"					
"					
"					
"					
"					
"					
"					
"					

B&L 6-2-05

VOLATILE

BER021 S8

H2M LABS, INC.

IENT: BER

DG #: BER021

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT
6-2-05	1440	SIGN	SIGN	A	Analysis	
6/8/05	1000	SIGN	SIGN	A	Analysis	
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
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VOLATILE

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: BER DELIVERABLES: B570D TURN AROUND TIME: 21 DAYS

SDG #: BER021 CASE #: X MATRIX: SOIL pH CHECK Y or (N)

REMARKS: 044 BER 05

RECEIVED BY: BGL SIGNATURE: Brett Langlois DATE: 6.2.05 TIME: 11:30

	CLIENT ID	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
1	SB-9 (3-4FT)	0506009-001B	6.1.05	AA	1	%MOIST
2	-10 (3-4FT)	2				
3	11 (0.5-1FT)	3				
4	12 (3-4FT)	4				
5	13 (0-3FT)	5				
6	SED-1 (0-6") (aq/sed)	6				
7	SED-2	7				
8	-3	8				
9	-4	9				
10	-5	10				
11						
12						
13						
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15						
16						
17						
18						
19						
20						

BGL 6.2.05

BGL 6.2.05

WET CHEMISTRY

BER021 S10

H2M LABS, INC.

CLIENT: BER

SDG #: BER021

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT
6-2-05	14:47	SIGN Bret Langford	SIGN	AA	Analysis	
6/3/05	16:30	SIGN	SIGN	PA	PreDist	
6/3/05	18:00	SIGN	SIGN	PA	Storage	
		SIGN	SIGN			
		SIGN	SIGN			
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WET CHEMISTRY

3. SDG NARRATIVES

H2M LABS, INC.

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 6/2/05
SDG #: BER021

For Samples:

SB-9 (3-4 FT)	SED-1 (0-6") MS/MSD
SB-10 (3-4 FT)	SED-2 (0-6")
SB-11 (0.5-1 FT)	SED-3 (0-6")
SB-12 (3-4 FT)	SED-4 (0-6")
SB-13 (0-3 FT)	SED-5 (0-6")

The above soil samples were analyzed for volatile organics by EPA method 8260B in accordance with the NYSDEC ASP, Rev. 10/95.

All QC data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

- Sample SB-3 (4-5 FT) was analyzed as the matrix spike/matrix spike duplicate (MS/MSD). Recoveries for three analytes in the MSD were below the QC limits.
- Two lab fortified blanks and a matrix spike blank was analyzed. All percent recoveries were within QC limits.
- Two samples exceeded the calibration range for targeted analytes and were reanalyzed at a dilution. Both sets of data are reported.
- The "dilution" for sample SB-10 (3-4 FT) was analyzed by medium level procedure.
- Low levels (less than PQL) of tetrachloroethene were detected in the method blank of the low level procedure. This analyte is flagged with a "B" qualifier in the samples.
- TIC compounds, identified as siloxanes, that are suspected to be column bleed introduced by the analytical system, were flagged with the qualifier "X".

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: June 14, 2005

****
*
*
****

Ursula Middel
Technical Manager

BER021 S13

4. SAMPLE REPORTS

4.1 VOLATILES

QUALIFIERS FOR REPORTING ORGANICS DATA

Value - If the result is a value greater than or equal to the quantification limit, report the value.

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to:

$$\frac{(300\ U)}{D} \times df \text{ where } D = \frac{100\% moisture}{100}$$

and df - dilution factor

For example, at 24% moisture, $D = \frac{100 - 24}{100} = 0.76$

$\frac{(300\ U)}{.76} \times 10$ - 4300 U rounded to the appropriate number of significant figures

For semivolatile soil samples, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Similarly, pesticide samples subjected to GPC are concentrated to 5.0 mL. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the protocol-specified volume (see Exhibit C), this fact must be accounted for in reporting the sample quantitation limit.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero. (e.g.: If limit of quantification is 10 ug/L and a concentration of 3 ug/L is calculated, report as 3J.) The sample quantitation limit must be adjusted for dilution as discussed for the U flag.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported of Form I with a "P".

C - This flag applies to pesticide results when the identification has been confirmed by GC/MS.. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag, instead use a Laboratory defined flag, discussed below.

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.

E - This flag identified compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration ranges in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, e.g. a diluted analysis is not required for total xylenes unless the concentration of the peak representing the single isomer exceed 200 ug/L or the peak representing the two coeluting isomers on that GC column exceed 400 ug/L. Similarly, if the two 1,2-Dichloroethene isomers coelute, a diluted analysis is not required unless the concentration exceed 400 ug/L.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - This flag indicates suspected column bleed.

Y - This flag denotes concentration of tentatively identified compounds (TICs) to be biased low due to matrix interference with internal standard.

Z - Other specific flags may be required to properly define the results. If used, they must be fully described and such description attached to the Sample Data Summary Package and the SDG narrative. Begin by using "X". If more than one flag is required use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, used the "X" flag to combine several flags as needed. For instance, the "X" flag might combine "A", "B", and "D" flags for some samples. The laboratory defined flags limited to the letters "X", "Y" and "Z".

The combination of flags "BU" or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-10 (3-4 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-002A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28981.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 21.5 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene chloride	10	BJ
67-64-1	Acetone	13	U
75-35-4	1,1-Dichloroethene	13	U
75-15-0	Carbon disulfide	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	14	
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	46	
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	770	EB
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-10 (3-4")DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-002ADL

Sample wt/vol: 4 (g/mL) G Lab File ID: A\A42005.D

Level: (low/med) MED Date Received: 06/02/05

% Moisture: not dec. 21.5 Date Analyzed: 06/08/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	1600	U
74-83-9	Bromomethane	1600	U
75-01-4	Vinyl chloride	1600	U
75-00-3	Chloroethane	1600	U
75-09-2	Methylene chloride	1600	U
67-64-1	Acetone	1600	U
75-35-4	1,1-Dichloroethene	1600	U
75-15-0	Carbon disulfide	1600	U
75-34-3	1,1-Dichloroethane	1600	U
540-59-0	1,2-Dichloroethene (total)	1600	U
67-66-3	Chloroform	1600	U
107-06-2	1,2-Dichloroethane	1600	U
78-93-3	2-Butanone	1600	U
71-55-6	1,1,1-Trichloroethane	1600	U
56-23-5	Carbon tetrachloride	1600	U
75-27-4	Bromodichloromethane	1600	U
78-87-5	1,2-Dichloropropane	1600	U
10061-01-5	cis-1,3-Dichloropropene	1600	U
79-01-6	Trichloroethene	200	DJ
124-48-1	Dibromochloromethane	1600	U
79-00-5	1,1,2-Trichloroethane	1600	U
71-43-2	Benzene	1600	U
10061-02-6	trans-1,3-Dichloropropene	1600	U
75-25-2	Bromoform	1600	U
108-10-1	4-Methyl-2-pentanone	1600	U
591-78-6	2-Hexanone	1600	U
127-18-4	Tetrachloroethene	15000	D
79-34-5	1,1,2,2-Tetrachloroethane	1600	U
108-88-3	Toluene	1600	U
108-90-7	Chlorobenzene	1600	U
100-41-4	Ethylbenzene	1600	U
100-42-5	Styrene	1600	U
1330-20-7	Xylene (total)	1600	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SB-10 (3-4")DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-002ADL

Sample wt/vol: 4 (g/mL) G Lab File ID: A\A42005.D

Level: (low/med) MED Date Received: 06/02/05

% Moisture: not dec. 21.5 Date Analyzed: 06/08/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 100 (µL)

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

BER021 S20

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-11 (0.5-1 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-003A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28982.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 6 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene chloride	7	BJ
67-64-1	Acetone	11	U
75-35-4	1,1-Dichloroethene	11	U
75-15-0	Carbon disulfide	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	8	BJ
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-12 (3-4 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-004A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28983.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 22.8 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	13	U
74-83-9	Bromomethane	13	U
75-01-4	Vinyl chloride	13	U
75-00-3	Chloroethane	13	U
75-09-2	Methylene chloride	10	BJ
67-64-1	Acetone	13	U
75-35-4	1,1-Dichloroethene	13	U
75-15-0	Carbon disulfide	13	U
75-34-3	1,1-Dichloroethane	13	U
540-59-0	1,2-Dichloroethene (total)	21	
67-66-3	Chloroform	13	U
107-06-2	1,2-Dichloroethane	13	U
78-93-3	2-Butanone	13	U
71-55-6	1,1,1-Trichloroethane	13	U
56-23-5	Carbon tetrachloride	13	U
75-27-4	Bromodichloromethane	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
79-01-6	Trichloroethene	22	
124-48-1	Dibromochloromethane	13	U
79-00-5	1,1,2-Trichloroethane	13	U
71-43-2	Benzene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U
75-25-2	Bromoform	13	U
108-10-1	4-Methyl-2-pentanone	13	U
591-78-6	2-Hexanone	13	U
127-18-4	Tetrachloroethene	340	EB
79-34-5	1,1,2,2-Tetrachloroethane	13	U
108-88-3	Toluene	13	U
108-90-7	Chlorobenzene	13	U
100-41-4	Ethylbenzene	13	U
100-42-5	Styrene	13	U
1330-20-7	Xylene (total)	13	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-12 (3-4 FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-004ADL

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28990.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 22.8 Date Analyzed: 06/08/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 5.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	65	U
74-83-9	Bromomethane	65	U
75-01-4	Vinyl chloride	65	U
75-00-3	Chloroethane	65	U
75-09-2	Methylene chloride	33	DBJ
67-64-1	Acetone	65	U
75-35-4	1,1-Dichloroethene	65	U
75-15-0	Carbon disulfide	65	U
75-34-3	1,1-Dichloroethane	65	U
540-59-0	1,2-Dichloroethene (total)	35	DJ
67-66-3	Chloroform	65	U
107-06-2	1,2-Dichloroethane	65	U
78-93-3	2-Butanone	65	U
71-55-6	1,1,1-Trichloroethane	65	U
56-23-5	Carbon tetrachloride	65	U
75-27-4	Bromodichloromethane	65	U
78-87-5	1,2-Dichloropropane	65	U
10061-01-5	cis-1,3-Dichloropropene	65	U
79-01-6	Trichloroethene	48	DJ
124-48-1	Dibromochloromethane	65	U
79-00-5	1,1,2-Trichloroethane	65	U
71-43-2	Benzene	65	U
10061-02-6	trans-1,3-Dichloropropene	65	U
75-25-2	Bromoform	65	U
108-10-1	4-Methyl-2-pentanone	65	U
591-78-6	2-Hexanone	65	U
127-18-4	Tetrachloroethene	740	DB
79-34-5	1,1,2,2-Tetrachloroethane	65	U
108-88-3	Toluene	65	U
108-90-7	Chlorobenzene	65	U
100-41-4	Ethylbenzene	65	U
100-42-5	Styrene	65	U
1330-20-7	Xylene (total)	65	U

1F

EPA SAMPLE NO.

SB-12 (3-4 FT)DL

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-004ADL

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28990.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 22.8 Date Analyzed: 06/08/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 5.00

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

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-13 (0-3 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-005A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28984.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 12 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SB-9 (3-4 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-001A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28980.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 17.2 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene chloride	8	BJ
67-64-1	Acetone	12	U
75-35-4	1,1-Dichloroethene	12	U
75-15-0	Carbon disulfide	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SKD-1 (0-6")

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-006A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28977.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 74.9 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	40	U
74-83-9	Bromomethane	40	U
75-01-4	Vinyl chloride	40	U
75-00-3	Chloroethane	40	U
75-09-2	Methylene chloride	42	B
67-64-1	Acetone	580	
75-35-4	1,1-Dichloroethene	40	U
75-15-0	Carbon disulfide	40	U
75-34-3	1,1-Dichloroethane	40	U
540-59-0	1,2-Dichloroethene (total)	40	U
67-66-3	Chloroform	40	U
107-06-2	1,2-Dichloroethane	40	U
78-93-3	2-Butanone	76	
71-55-6	1,1,1-Trichloroethane	40	U
56-23-5	Carbon tetrachloride	40	U
75-27-4	Bromodichloromethane	40	U
78-87-5	1,2-Dichloropropane	40	U
10061-01-5	cis-1,3-Dichloropropene	40	U
79-01-6	Trichloroethene	40	U
124-48-1	Dibromochloromethane	40	U
79-00-5	1,1,2-Trichloroethane	40	U
71-43-2	Benzene	40	U
10061-02-6	trans-1,3-Dichloropropene	40	U
75-25-2	Bromoform	40	U
108-10-1	4-Methyl-2-pentanone	40	U
591-78-6	2-Hexanone	40	U
127-18-4	Tetrachloroethene	7	BJ
79-34-5	1,1,2,2-Tetrachloroethane	40	U
108-88-3	Toluene	8	J
108-90-7	Chlorobenzene	40	U
100-41-4	Ethylbenzene	40	U
100-42-5	Styrene	40	U
1330-20-7	Xylene (total)	40	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SED-2 (0-6")

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-007A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28985.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 82.5 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	57	U
74-83-9	Bromomethane	57	U
75-01-4	Vinyl chloride	57	U
75-00-3	Chloroethane	57	U
75-09-2	Methylene chloride	27	BJ
67-64-1	Acetone	57	U
75-35-4	1,1-Dichloroethene	57	U
75-15-0	Carbon disulfide	57	U
75-34-3	1,1-Dichloroethane	57	U
540-59-0	1,2-Dichloroethene (total)	57	U
67-66-3	Chloroform	57	U
107-06-2	1,2-Dichloroethane	57	U
78-93-3	2-Butanone	57	U
71-55-6	1,1,1-Trichloroethane	57	U
56-23-5	Carbon tetrachloride	57	U
75-27-4	Bromodichloromethane	57	U
78-87-5	1,2-Dichloropropane	57	U
10061-01-5	cis-1,3-Dichloropropene	57	U
79-01-6	Trichloroethene	57	U
124-48-1	Dibromochloromethane	57	U
79-00-5	1,1,2-Trichloroethane	57	U
71-43-2	Benzene	57	U
10061-02-6	trans-1,3-Dichloropropene	57	U
75-25-2	Bromoform	57	U
108-10-1	4-Methyl-2-pentanone	57	U
591-78-6	2-Hexanone	57	U
127-18-4	Tetrachloroethene	57	U
79-34-5	1,1,2,2-Tetrachloroethane	57	U
108-88-3	Toluene	57	U
108-90-7	Chlorobenzene	57	U
100-41-4	Ethylbenzene	57	U
100-42-5	Styrene	57	U
1330-20-7	Xylene (total)	57	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SED-3 (0-6")

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-008A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28986.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 74.1 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	39	U
74-83-9	Bromomethane	39	U
75-01-4	Vinyl chloride	39	U
75-00-3	Chloroethane	39	U
75-09-2	Methylene chloride	26	BJ
67-64-1	Acetone	39	U
75-35-4	1,1-Dichloroethene	39	U
75-15-0	Carbon disulfide	39	U
75-34-3	1,1-Dichloroethane	39	U
540-59-0	1,2-Dichloroethene (total)	39	U
67-66-3	Chloroform	39	U
107-06-2	1,2-Dichloroethane	39	U
78-93-3	2-Butanone	100	
71-55-6	1,1,1-Trichloroethane	39	U
56-23-5	Carbon tetrachloride	39	U
75-27-4	Bromodichloromethane	39	U
78-87-5	1,2-Dichloropropane	39	U
10061-01-5	cis-1,3-Dichloropropene	39	U
79-01-6	Trichloroethene	39	U
124-48-1	Dibromochloromethane	39	U
79-00-5	1,1,2-Trichloroethane	39	U
71-43-2	Benzene	39	U
10061-02-6	trans-1,3-Dichloropropene	39	U
75-25-2	Bromoform	39	U
108-10-1	4-Methyl-2-pentanone	39	U
591-78-6	2-Hexanone	39	U
127-18-4	Tetrachloroethene	7	BJ
79-34-5	1,1,2,2-Tetrachloroethane	39	U
108-88-3	Toluene	27	J
108-90-7	Chlorobenzene	39	U
100-41-4	Ethylbenzene	39	U
100-42-5	Styrene	39	U
1330-20-7	Xylene (total)	39	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SED-4 (0-6")

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-009A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28987.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 61.2 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (µg/L or µg/Kg UG/KG	Q
74-87-3	Chloromethane	26	U
74-83-9	Bromomethane	26	U
75-01-4	Vinyl chloride	26	U
75-00-3	Chloroethane	26	U
75-09-2	Methylene chloride	17	BJ
67-64-1	Acetone	26	U
75-35-4	1,1-Dichloroethene	26	U
75-15-0	Carbon disulfide	26	U
75-34-3	1,1-Dichloroethane	26	U
540-59-0	1,2-Dichloroethene (total)	81	
67-66-3	Chloroform	26	U
107-06-2	1,2-Dichloroethane	26	U
78-93-3	2-Butanone	26	U
71-55-6	1,1,1-Trichloroethane	26	U
56-23-5	Carbon tetrachloride	26	U
75-27-4	Bromodichloromethane	26	U
78-87-5	1,2-Dichloropropane	26	U
10061-01-5	cis-1,3-Dichloropropene	26	U
79-01-6	Trichloroethene	5	J
124-48-1	Dibromochloromethane	26	U
79-00-5	1,1,2-Trichloroethane	26	U
71-43-2	Benzene	26	U
10061-02-6	trans-1,3-Dichloropropene	26	U
75-25-2	Bromoform	26	U
108-10-1	4-Methyl-2-pentanone	26	U
591-78-6	2-Hexanone	26	U
127-18-4	Tetrachloroethene	7	BJ
79-34-5	1,1,2,2-Tetrachloroethane	26	U
108-88-3	Toluene	26	U
108-90-7	Chlorobenzene	26	U
100-41-4	Ethylbenzene	26	U
100-42-5	Styrene	26	U
1330-20-7	Xylene (total)	26	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SED-5 (0-6")

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: 0506059-010A

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28988.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. 13.6 Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

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

5. SURROGATE SPIKE ANALYSIS RESULTS

5.1 VOLATILES

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1 DCE #	SMC2 TOL #	SMC3 BFB #	OTHER	TOT OUT
01	VBLK060705	97	102	105		0
02	LFB060705	101	103	105		0
03	MSB060705	95	100	101		0
04	SED-1 (0-6")	100	108	103		0
05	SED-1 (0-6")MS	98	106	106		0
06	SED-1 (0-6")MSD	97	104	107		0
07	SB-9 (3-4 FT)	100	97	102		0
08	SB-10 (3-4 FT)	100	99	103		0
09	SB-11 (0.5-1 FT)	98	99	103		0
10	SB-12 (3-4 FT)	100	99	101		0
11	SB-13 (0-3 FT)	97	104	106		0
12	SED-2 (0-6")	101	103	99		0
13	SED-3 (0-6")	100	107	105		0
14	SED-4 (0-6")	100	100	103		0
15	SED-5 (0-6")	101	102	106		0
16	SB-12 (3-4 FT)DL	100	101	103		0

		QC Limit
SMC 1 DCE	= 1,2-Dichloroethane-d4	(70-121)
SMC 2 TOL	= Toluene-d8	(84-138)
SMC 3 BFB	= 4-Bromofluorobenzene	(59-113)

Column to be used to flag recovery values

* Values outside of contract required QC limits

2B

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Level: (low/med) MED

	EPA SAMPLE NO.	SMC1 DCE #	SMC2 TOL #	SMC3 BFB #	OTHER	TOT OUT
01	VBLK060805	93	104	90		0
02	LFB060705	99	100	96		0
03	SB-10 (3-4")DL	94	102	97		0

		QC Limit
SMC 1 DCE	= 1,2-Dichloroethane-d4	(70-121)
SMC 2 TOL	= Toluene-d8	(84-138)
SMC 3 BFB	= 4-Bromofluorobenzene	(59-113)

Column to be used to flag recovery values

* Values outside of contract required QC limits

6. MATRIX SPIKE / MATRIX SPIKE DUPLICATE SUMMARY

6.1 VOLATILES

3B

SOIL VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER021

Matrix Spike - EPA Sample No.: SED-1 (0-6") Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	MS CONCENTRATION (µg/Kg)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	200	0	140	70	59-172
Trichloroethene	200	0	130	65	62-137
Benzene	200	0	140	71	66-142
Toluene	200	8	170	81	59-139
Chlorobenzene	200	0	130	66	60-133

COMPOUND	SPIKE ADDED (µg/Kg)	MSD CONCENTRATION (µg/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	200	120	60	15	22	59-172
Trichloroethene	200	110	57*	13	24	62-137
Benzene	200	130	64*	10	21	66-142
Toluene	200	180	84	4	21	59-139
Chlorobenzene	200	110	57*	15	21	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 3 out of 10 outside limits

COMMENTS:

BER021 S45

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER021

Sample ID LFB060705 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC LIMITS REC.
Chloromethane	50	0	40	80	33-149
Bromomethane	50	0	46	92	58-144
Vinyl chloride	50	0	44	88	20-164
Chloroethane	50	0	45	90	33-153
Methylene chloride	50	0	51	103	46-157
Acetone	50	0	52	103	50-187
1,1-Dichloroethene	50	0	47	94	65-142
Carbon disulfide	50	0	46	92	52-143
1,1-Dichloroethane	50	0	47	94	67-141
1,2-Dichloroethene (total)	100	0	95	95	57-150
Chloroform	50	0	49	98	68-140
1,2-Dichloroethane	50	0	50	101	65-147
2-Butanone	50	0	51	102	30-226
1,1,1-Trichloroethane	50	0	47	94	78-127
Carbon tetrachloride	50	0	47	94	70-136
Bromodichloromethane	50	0	51	102	78-137
1,2-Dichloropropane	50	0	51	103	81-132
cis-1,3-Dichloropropene	50	0	51	102	78-131
Trichloroethene	50	0	48	97	72-145
Dibromochloromethane	50	0	53	107	82-136
1,1,2-Trichloroethane	50	0	52	105	80-139
Benzene	50	0	49	98	71-142
trans-1,3-Dichloropropene	50	0	52	103	59-147
Bromoform	50	0	53	106	81-142
4-Methyl-2-pentanone	50	0	55	111	64-170
2-Hexanone	50	0	53	105	59-163
Tetrachloroethene	50	0	48	97	67-144
1,1,2,2-Tetrachloroethane	50	0	53	106	72-152
Toluene	50	0	50	101	83-129
Chlorobenzene	50	0	51	102	85-128

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 33 outside limits

COMMENTS:

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER021

Sample ID LFB060705 Level:(low/med) LOW

Ethylbenzene	50	0	54	109	80-129
Styrene	50	0	52	104	85-126
Xylene (total)	150	0	160	107	79-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 33 outside limits

COMMENTS:

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER021

Sample ID MSB060705 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	53	106	59-172
Trichloroethene	50	0	53	107	62-137
Benzene	50	0	52	104	66-142
Toluene	50	0	55	109	59-139
Chlorobenzene	50	0	56	111	60-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER021

Sample ID LFB060705 Level:(low/med) MED

COMPOUND	SPIKE ADDED (µg/Kg)	SAMPLE CONCENTRATION (µg/Kg)	SPIKE CONCENTRATION (µg/Kg)	SPIKE % REC #	QC. LIMITS REC.
Chloromethane	6200	0	5600	89	33-149
Bromomethane	6200	0	5900	94	58-144
Vinyl chloride	6200	0	5500	88	20-164
Chloroethane	6200	0	5600	89	33-153
Methylene chloride	6200	0	6100	97	46-157
Acetone	6200	0	4300	69	50-187
1,1-Dichloroethene	6200	0	5700	91	65-142
Carbon disulfide	6200	0	6200	99	52-143
1,1-Dichloroethane	6200	0	5900	95	67-141
1,2-Dichloroethene (total)	12000	0	12000	94	57-150
Chloroform	6200	0	6000	96	68-140
1,2-Dichloroethane	6200	0	6000	95	65-147
2-Butanone	6200	0	4700	76	30-226
1,1,1-Trichloroethane	6200	0	6200	99	78-127
Carbon tetrachloride	6200	0	6300	100	70-136
Bromodichloromethane	6200	0	6000	96	78-137
1,2-Dichloropropane	6200	0	6100	97	81-132
cis-1,3-Dichloropropene	6200	0	6000	96	78-131
Trichloroethene	6200	0	6100	98	72-145
Dibromochloromethane	6200	0	5900	94	82-136
1,1,2-Trichloroethane	6200	0	5800	93	80-139
Benzene	6200	0	6000	96	71-142
trans-1,3-Dichloropropene	6200	0	5700	91	59-147
Bromoform	6200	0	5700	91	81-142
4-Methyl-2-pentanone	6200	0	4800	77	64-170
2-Hexanone	6200	0	4300	69	59-163
Tetrachloroethene	6200	0	6500	104	67-144
1,1,2,2-Tetrachloroethane	6200	0	5300	85	72-152
Toluene	6200	0	6300	101	83-129
Chlorobenzene	6200	0	6400	102	85-128

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 33 outside limits

COMMENTS:

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER021

Sample ID LFB060705 Level:(low/med) MED

Ethylbenzene	6200	0	6400	102	80-129
Styrene	6200	0	6400	102	85-126
Xylene (total)	19000	0	21000	110	79-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 33 outside limits

COMMENTS:

BER021 S50

7. BLANK SUMMARY DATA AND RESULTS

7.1 VOLATILES

4A

EPA SAMPLE NO.

VBLK060705

VOLATILE METHOD BLANK SUMMARY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Lab File ID: 5\P28973.D Lab Sample ID: VBLK060705

Date Analyzed: 06/07/05 Time Analyzed: 15:15

GC Column: R-502.2 ID: .53 (mm) Heated Purge: (Y/N) Y

Instrument ID: HP5970-3

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LFB060705	LFB060705	5\P28974.D	15:47
02	MSB060705	MSB060705	5\P28975.D	16:19
03	SED-1 (0-6")	0506059-006A	5\P28977.D	17:22
04	SED-1 (0-6")MS	0506059-006AMS	5\P28978.D	17:54
05	SED-1 (0-6")MSD	0506059-006AMSD	5\P28979.D	18:26
06	SB-9 (3-4 FT)	0506059-001A	5\P28980.D	19:01
07	SB-10 (3-4 FT)	0506059-002A	5\P28981.D	19:33
08	SB-11 (0.5-1 FT)	0506059-003A	5\P28982.D	20:04
09	SB-12 (3-4 FT)	0506059-004A	5\P28983.D	20:36
10	SB-13 (0-3 FT)	0506059-005A	5\P28984.D	21:08
11	SED-2 (0-6")	0506059-007A	5\P28985.D	21:40
12	SED-3 (0-6")	0506059-008A	5\P28986.D	22:12
13	SED-4 (0-6")	0506059-009A	5\P28987.D	22:43
14	SED-5 (0-6")	0506059-010A	5\P28988.D	23:15
15	SB-12 (3-4 FT)DL	0506059-004ADL	5\P28990.D	0:19

COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK060705

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: VBLK060705

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28973.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

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

1F

EPA SAMPLE NO.

VBLK060705

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: VBLK060705

Sample wt/vol: 5 (g/mL) G Lab File ID: 5\P28973.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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/KG

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

4A

EPA SAMPLE NO.

VBLK060805

VOLATILE METHOD BLANK SUMMARY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Lab File ID: A\A41995.D Lab Sample ID: VBLK060805

Date Analyzed: 06/08/05 Time Analyzed: 10:59

GC Column: R-502.2 ID: .53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5971

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LFB060705	LFB060705	A\A41996.D	11:34
02	SB-10 (3-4")DL	0506059-002ADL	A\A42005.D	16:31

COMMENTS: _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK060805

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: VBLK060805

Sample wt/vol: 4 (g/mL) G Lab File ID: A\A41995.D

Level: (low/med) MED Date Received:

% Moisture: not dec. Date Analyzed: 06/08/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µL) Soil Aliquot Volume 100 (µL)

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

1F

EPA SAMPLE NO.

VBLK060805

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Matrix: (soil/water) SOIL Lab Sample ID: VBLK060805

Sample wt/vol: 4 (g/mL) G Lab File ID: A\A41995.D

Level: (low/med) MED Date Received:

% Moisture: not dec. Date Analyzed: 06/08/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (µl) Soil Aliquot Volume: 100 (µL)

CONCENTRATION UNITS:

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

CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q

8. INTERNAL STANDARD AREA DATA

8.1 VOLATILES

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Lab File ID (Standard): 5\P28972.D Date Analyzed: 06/07/05

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 14:42

Instrument ID: HP5970-3 Heated Purge: (Y/N) Y

GC Column: R-502.2 ID: .53 (mm)

		IS1 AREA #	RT #	IS2 DFB AREA #	RT #	IS3 CBZ AREA #	RT #
	12 HOUR STD	124724	8.8	747314	9.87	550055	14.15
	UPPER LIMIT	249448	9.3	1494628	10.37	1100110	14.65
	LOWER LIMIT	62362	8.3	373657	9.37	275028	13.65
	EPA SAMPLE						
01	VBLK060705	125916	8.80	720994	9.86	535587	14.15
02	LFB060705	128525	8.81	754169	9.87	536524	14.14
03	MSB060705	119504	8.82	701373	9.88	533095	14.15
04	SED-1 (0-6")	117030	8.80	751317	9.87	502320	14.14
05	SED-1 (0-6")MS	127550	8.82	741689	9.87	502332	14.13
06	SED-1 (0-6")MSD	142283	8.80	799409	9.86	551537	14.12
07	SB-9 (3-4 FT)	158648	8.80	881981	9.86	670992	14.12
08	SB-10 (3-4 FT)	146602	8.80	833125	9.87	616392	14.13
09	SB-11 (0.5-1 FT)	157480	8.82	882992	9.88	624619	14.14
10	SB-12 (3-4 FT)	151495	8.82	828368	9.87	613817	14.13
11	SB-13 (0-3 FT)	135775	8.81	796989	9.86	556689	14.13
12	SED-2 (0-6")	141496	8.81	754818	9.87	539396	14.13
13	SED-3 (0-6")	113347	8.80	665712	9.86	429486	14.12
14	SED-4 (0-6")	133132	8.81	773736	9.87	567616	14.13
15	SED-5 (0-6")	142734	8.84	780793	9.89	555914	14.15
16	SB-12 (3-4 FT)DL	127068	8.82	739860	9.87	545281	14.13

IS1 = Bromochloromethane
IS2 DFB = 1,4-Difluorobenzene
IS3 CBZ = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER021

Lab File ID (Standard): A\A41994.D Date Analyzed: 06/08/05

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 10:28

Instrument ID: HP5971 Heated Purge: (Y/N) N

GC Column: R-502.2 ID: .53 (mm)

		IS1 AREA #	RT #	IS2 DFB AREA #	RT #	IS3 CBZ AREA #	RT #
	12 HOUR STD	69711	9.9	312471	10.81	278657	15.51
	UPPER LIMIT	139422	10.4	624942	11.31	557314	16.01
	LOWER LIMIT	34856	9.4	156236	10.31	139329	15.01
	EPA SAMPLE						
01	VBLK060805	67784	10.04	305722	10.91	261172	15.59
02	LFB060705	66451	9.99	306430	10.88	274685	15.57
03	SB-10(3-4")DL	68092	10.02	308363	10.91	271678	15.61

IS1 = Bromochloromethane
IS2 DFB = 1,4-Difluorobenzene
IS3 CBZ = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

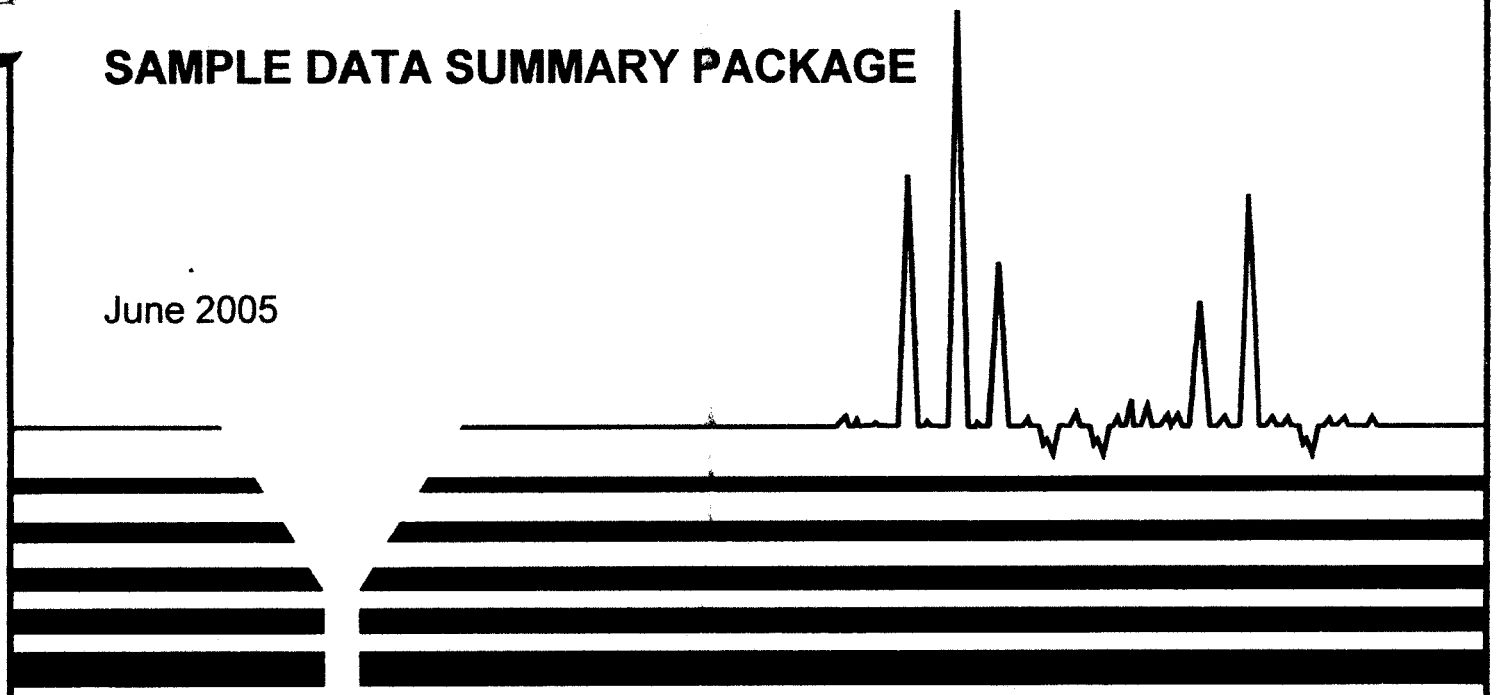
Analytical Data Package For

BERNINGER ENVIRONMENTAL PROJECT: ROSE CLEANERS 500 LEXINGTON AVENUE MT. KISCO, NY SDG NO: BER022

Water Samples
Received: 6/2/05

SAMPLE DATA SUMMARY PACKAGE

June 2005



H2M LABS, INC.
Environmental Testing Laboratories
575 Broad Hollow Road, Melville, N.Y. 11747

H2M LABS, INC.

SAMPLE DATA SUMMARY PACKAGE

TABLE OF CONTENTS

BERNINGER ENVIRONMENTAL
PROJECT: ROSE CLEANERS
500 LEXINGTON AVENUE MT. KISCO, NY
SAMPLES RECEIVED: 6/2/05
SDG NO.: BER022

1. NYS DEC SUMMARY FORMS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

SDG: BER022

Analytical Requirements

Customer Sample Code	Laboratory Sample Code	MSVOA
GW-9 (5-7 FT)	0506066-001	X
GW-9 (15-17 FT)	0506066-002	X
GW-10 (5-7 FT)	0506066-003	X
GW-10 (15-17 FT)	0506066-004	X
GW-11 (5-7 FT)	0506066-005	X
GW-11 (15-17 FT)	0506066-006	X
GW-12 (5-7 FT)	0506066-007	X
GW-12 (15-17 FT)	0506066-008	X
GW-13 (5-7 FT)	0506066-009	X
GW-13 (15-17 FT)	0506066-010	X
NEW CASTLE DRIVE CULVERT	0506066-011	X
SW-1 (0-1 FT)	0506066-012	X
SW-2 (0-0.5 FT)	0506066-013	X
FIELD BLANK	0506066-014	X
TRIP BLANK	0506066-015	X

CLP, Non-CLP (Please indicate year of protocol) ASP B 10/95 KJS 6/17/05
TCL/TAL, HSL, Priority Pollutant,

BER022 S3

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

SDG: BER022

Laboratory Samp ID	Client Sample ID	Matrix	Analytical Protocol	Date Collected	DateRecd at Lab	Date Extracted	Date Analyzed	Extraction Method	DF	Level	Aux Cleanup
0506066-001A	GW-9 (5-7 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-002A	GW-9 (15-17 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-003A	GW-10 (5-7 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-003ADL	GW-10 (5-7 FT)DL	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		2.5	LOW	
0506066-004A	GW-10 (15-17 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-005A	GW-11 (5-7 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-006A	GW-11 (15-17 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-007A	GW-12 (5-7 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-007ADL	GW-12 (5-7 FT)DL	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		50	LOW	
0506066-007AMS	GW-12 (5-7 FT)MS	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-007AMSD	GW-12 (5-7 FT)MSD	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-008A	GW-12 (15-17 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-008ADL	GW-12 (15-17 FT)DL	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		50	LOW	
0506066-009A	GW-13 (5-7 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506066-009ADL	GW-13 (5-7 FT)DL	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		50	LOW	
0506066-010A	GW-13 (15-17 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		10	LOW	
0506066-011A	CULVERT	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-011ARE	CULVERTRE	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506066-012A	SW-1 (0-1 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-013A	SW-2 (0-0.5 FT)	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		06-Jun-05		1	LOW	
0506066-014A	FIELD BLANK	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	
0506066-015A	TRIP BLANK	Aqueous	ASP95-1	01-Jun-05	02-Jun-05		07-Jun-05		1	LOW	

2. CHAIN OF CUSTODY DOCUMENTATION

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (516) 694-3040 Fax: (516) 420-8436

1551

PO# 506 1388

EXTERNAL CHAIN OF CUSTODY

CLIENT: BERNINGER ENVIRONMENTAL | H2M SDG NO: BER022

PROJECT NAME/NUMBER
ROSE CLEANERS
500 LEXINGTON AVE MT KISCO NY

SAMPLERS: (signature)/Client
Jill Haimson
Berninger Environmental Inc.

DELIVERABLES:
B570D ASP B

TURNAROUND TIME:
21 DAYS

NOTES:
TCL VOAs
8260 plus
TICs

Project Contact: Jill Haimson
Phone Number: 516 647-4211

Sample Container Description → 40 ml Vial HCl | 2 oz | 1 oz

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	ORGANIC VOA	ORGANIC Metal	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
6/1/05	9:30	L	GW-9 5-7'	2	2								0506066-001A
	9:38	L	GW-9 15-17'	2	2								-002A
	10:30	L	GW-10 5-7'	2	2								-003A
	11:20	L	GW-10 15-17'	2	2								-004A
	12:00	L	SW-1 0-1 Ft	2	2								-012A
	12:35	L	SW-2 0-.5 Ft	2	2								-013A
	11:45	L	GW-11 5-7'	2	2								~~MS/MSD~~ -005
	12:00	L	GW-11 15-17'	2	2								-006A
	13:30	L	NEW CASTLE Effluent	2	2								-011A
	14:00	L	Field BLANK	2	2								-014A
	-	L	TRIP BLANK	2	2								-015A

+2 UNPRESERVED VIALS

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Peter Daniels	6/2/05	11:30		6-2-05	11:30
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
3. Received in good condition (Y) or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

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

BER022 S6

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT

H2M LABS, INC.

575 Broad Hollow Rd, Melville, NY 11747-5076
Tel: (516) 694-3040 Fax: (516) 420-8436

1551

PO#5061388

EXTERNAL CHAIN OF CUSTODY

CLIENT: BERNINGER ENVIRONMENTAL INC | H2M SDG NO: BER022

PROJECT NAME/NUMBER
ROSE CLEANERS - 500 LEXINGTON
MT KISCO

SAMPLERS: (signature)/Client
JILL HAMMER
BERNINGER ENVIRONMENTAL INC

DELIVERABLES:
B5-70D

TURNAROUND TIME:
21 DAYS

NOTES:
ASP B58260-W+TICS
TCL VOA 8260 plus TICs

Project Contact: JILL H.
Phone Number: 516 647-4211

DATE	TIME	MATRIX	FIELD I.D.	Total No. of Containers	Sample Container Description: 40-ML VIAL w/ HCL	ANALYSIS REQUESTED: ORGANIC VOA	ORGANIC BNA	ORGANIC Pest/PCB	INORG. Metal	INORG. CN	LAB I.D. NO.	REMARKS:
			~~SB-9~~	~~2~~	2							
				6	6							
6/1/05	13:00	L	GW-12 5-7'	2	2						MS/MSD	0506066-007A
	13:20	L	GW-12 15-17'	2	2							-008A
	14:00	L	GW-13 5-7'	2	2							-009A
↓	14:30	L	GW-13 15-17'	2	2							-010A

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Peter Daniel	6/2/05	11:30	Bart Kay	6.2.05	11:30
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
3. Received in good condition: (Y) or N
4. Properly preserved: Y or N
5. Samples returned to lab ___ Hrs from collection.

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

BER022 S7

WHITE COPY - ORIGINAL YELLOW COPY - CLIENT

H2M LABS, INC.

BER022

Sample Receipt Checklist

Client Name BER

Date and Time Receive 6/2/2005

Work Order Numbe 0506066

Received by BGL

Checklist completed b Bret Lang 6.2.05 (Signature / Date)

Reviewed by JHG 6/3/05 (Initials / Date)

Matrix

Carrier name Hand Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Applicable ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Applicable ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Applicable ☑
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 ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
tainer/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☐	No ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Adjusted? _____ Checked b _____

Any No and/or NA (not applicable) response must be detailed in the comments section b

Client contacted yes Date contacted: 6/2/05 Person contacted Jill H.

Contacted by: Bret Regarding see below

Comments: THE FOLLOWING VIALS HAVE HEADSPACE — GW-9 (15-17FT), 1 VIAL PEA SIZED; GW10 (15-17FT), 1 VIAL 1/4 INCH 1 VIAL 5 PEA; GW11 (5-7FT), 1 VIAL PEA 1 VIAL PEA; GW12 (5-7FT), 1 VIAL PEA; GW12 (15-17FT), 1 VIAL 1/8 INCH 1 VIAL 5 PEA; NEW CASTLE. NO TIME OF COLLECTION FOR GW-13 (5-7FT & GW-13 (15-17FT). GW-11 (5-7FT) WAS MISLABELED AS MS/MSD, THE MS/MSD IS GW12 (5-7FT) BGL 6.2.05.

Corrective Action SPOKE WITH JILL H. SHE SAID RUN EVEN WITH HEADSPACE, GW12 (5-7FT) FOR MS/MSD, SHE GAVE ME TIME OF COLLECTION FOR GW13 SAMPLES, USE UNPRES. VIALS FOR GW9 - 15-17. BGL 6.2.05

BER022 S8

H2M LABS, INC.

INTERNAL CHAIN OF CUSTODY

CLIENT: BER DELIVERABLES: B540D TURN AROUND TIME: 21 DAYS

SDG #: BER022 CASE #: X MATRIX: GW pH CHECK Y or N

REMARKS: 044 BER 05

RECEIVED BY: BCL SIGNATURE: [signature] DATE: 6.2.05 TIME: 1130

CLIENT ID	H2M LAB #	DATE COLLECTED	BOTTLE TYPE	# OF BOTTLES	TESTS REQUESTED
GW-9 (5-7FT)	0506066-001A	6.1.05	DH	2	ASPB58260-W+TICS
" (15-17FT)	2		D		
GW-10 (5-7FT)	3		DH		
" (15-17FT)	4				
GW-11 (5-7FT)	5				
" (15-17FT)	6				
GW-12 (5-7FT) (MS/MSD)	7			6	
" (15-17FT)	8			2	
GW-13 (5-7FT)	9				
" (15-17FT)	10				
NEW CASTLE DRIVE CULVERT	11				
SW-1 (0-1FT)	12				
SW-2 (0-.5FT)	13				
FIELD BLANK	14				
TRIP BLANK	15				
"					
"		BCL	5~~02~~ 6.2.05		
"					
"					
"					

VOLATILE

BER022 S9

H2M LABS, INC.

CLIENT: BER

SDG #: BER022

INTERNAL CHAIN OF CUSTODY

DATE	TIME	SAMPLE RELINQUISHED BY	SAMPLE RECEIVED BY	BOTTLE TYPE	PURPOSE OF CHANGE OF CUSTODY	INIT
6.2.05	15:30	SIGN Bret Lyles	SIGN	D, DH	ANALYSIS	
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			
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		SIGN	SIGN			
		SIGN	SIGN			
		SIGN	SIGN			

VOLATILE

3. SDG NARRATIVES

H2M LABS, INC.

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 6/2/05
SDG #: BER022

For Samples:

FIELD BLANK	GW-13 (5-7 FT)
GW-10 (15-17 FT)	GW-9 (15-17 FT)
GW-10 (5-7 FT)	GW-9 (5-7 FT)
GW-11 (15-17 FT)	NEW CASTLE DRIVE CULVERT
GW-11 (5-7 FT)	SW-1 (0-1 FT)
GW-12 (15-17 FT)	SW-2 (0-0.5 FT)
GW-12 (5-7 FT) MS/MSD	TRIP BLANK
GW-13 (15-17 FT)	

The above water samples were analyzed for volatile organics by EPA method 8260B in accordance with the NYSDEC ASP, Rev. 10/95.

All QC data and calibrations met the requirements of the method, and no problems were encountered with sample analysis. The following should be noted:

- Sample GW-12 (5-7 FT) was analyzed as the matrix spike/matrix spike duplicate (MS/MSD).
- Note that the QC limits do not apply for the spike recoveries of trichloroethene, because the analyte was found in the sample, and the spiking level was not a multiple of the sample concentration.
- All percent recoveries for the laboratory control sample (LCS) and the lab fortified blank (LFB) were within QC limits.
- Recovery for the surrogate compound 4-bromofluorobenzene (BFB) was below the QC limit in sample NEW CASTLE DRIVE CULVERT. The sample was reanalyzed, and the recovery was again slightly below the limit. Both sets of data are reported.
- Four samples exceeded the calibration range for targeted analytes and were reanalyzed at a dilution. Both sets of data are reported.
- Sample GW-13 (15-17 FT) was only analyzed at a dilution.
- %D in the continuous calibration on 6/6/05 exceeded 25% for trichloroethene but met the acceptance limit of 40%.

H2M LABS, INC.

SDG NARRATIVE FOR VOLATILE ORGANICS
SAMPLES RECEIVED: 6/2/05
SDG #: BER022

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: June 16, 2005

****
*
*  *
*
****

Ursula Middel
Technical Manager

4. SAMPLE REPORTS

4.1 VOLATILES

QUALIFIERS FOR REPORTING ORGANICS DATA

Value - If the result is a value greater than or equal to the quantification limit, report the value.

U - Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must also be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor, the sample quantitation limit for phenol (330 U) would be corrected to:

$$\frac{(300\ U)}{D} \times df \text{ where } D = \frac{100\% moisture}{100}$$

and df - dilution factor

For example, at 24% moisture, $D = \frac{100-24}{100} = 0.76$

$$\frac{(300\ U)}{.76} \times 10 = 4300\ U$$ rounded to the appropriate number of significant figures

For semivolatile soil samples, the extract must be concentrated to 0.5 mL, and the sensitivity of the analysis is not compromised by the cleanup procedures. Similarly, pesticide samples subjected to GPC are concentrated to 5.0 mL. Therefore, the CRQL values in Exhibit C will apply to all samples, regardless of cleanup. However, if a sample extract cannot be concentrated to the protocol-specified volume (see Exhibit C), this fact must be accounted for in reporting the sample quantitation limit.

J - Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the specified quantification limit but greater than zero. (e.g.: If limit of quantification is 10 ug/L and a concentration of 3 ug/L is calculated, report as 3J.) The sample quantitation limit must be adjusted for dilution as discussed for the U flag.

N - Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.

P - This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported of Form I with a "P".

C - This flag applies to pesticide results when the identification has been confirmed by GC/MS.. If GC/MS confirmation was attempted but was unsuccessful, do not apply this flag, instead use a Laboratory defined flag, discussed below.

B - This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified target compound.

E - This flag identified compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, except as noted in Exhibit D, the sample or extract must be diluted and re-analyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" on the Form I for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration ranges in the second analysis, then the results of both analyses shall be reported on separate copies of Form I. The Form I for the diluted sample shall have the "DL" suffix appended to the sample number. NOTE: For total xylenes, where three isomers are quantified as two peaks, the calibration range of each peak should be considered separately, e.g. a diluted analysis is not required for total xylenes unless the concentration of the peak representing the single isomer exceed 200 ug/L or the peak representing the two coeluting isomers on that GC column exceed 400 ug/L. Similarly, if the two 1,2-Dichloroethene isomers coelute, a diluted analysis is not required unless the concentration exceed 400 ug/L.

D - This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above, the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag. This flag alerts data users that any discrepancies between the concentrations reported may be due to dilution of the sample or extract.

A - This flag indicates that a TIC is a suspected aldol-condensation product.

X - Other specific flags may be required to properly define the results. If used, they must be fully described and such description attached to the Sample Data Summary Package and the SDG narrative. Begin by using "X". If more than one flag is required use "Y" and "Z" as needed. If more than five qualifiers are required for a sample result, used the "X" flag to combine several flags as needed. For instance, the "X" flag might combine "A", "B", and "D" flags for some samples. The laboratory defined flags limited to the letters "X", "Y" and "Z".

The combination of flags "BU" or "UB" is expressly prohibited. Blank contaminants are flagged "B" only when they are detected in the sample.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

FIELD BLANK

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-014A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41980.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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
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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

FIELD BLANK

Lab Name: H2M LABS, INC. Contract: _____

Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-014A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41980.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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-10 (15-17 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41957.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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)	7	
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	17	
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	120	
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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-10 (15-17 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-004A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41957.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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	4.47	15	J
2.	001634-04-4	Propane, 2-methoxy-2-methyl-	8.14	6	JN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-10 (5-7 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41956.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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)	15	
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	47	
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	340	E
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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW-10 (5-7 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-003A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41956.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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-10 (5-7 FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-003ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41971.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 2.50

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	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene chloride	12	U
67-64-1	Acetone	12	U
75-35-4	1,1-Dichloroethene	12	U
75-15-0	Carbon disulfide	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	16	D
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	52	D
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	380	D
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-10 (5-7 FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-003ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41971.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 2.50

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-11 (15-17 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41959.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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)	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	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
108-10-1	4-Methyl-2-pentanone	5	U
591-78-6	2-Hexanone	5	U
127-18-4	Tetrachloroethene	17	
79-34-5	1,1,2,2-Tetrachloroethane	5	U
108-88-3	Toluene	1	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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW-11 (15-17 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-006A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41959.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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	4.45	8	J

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-11 (5-7 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41958.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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)	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	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	26	
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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW-11 (5-7 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-005A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41958.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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-	8.18	5	JN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-12 (15-17 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41963.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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)	120	
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	610	E
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	3400	E
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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-12 (15-17 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-008A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41963.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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	4.48	16	J
2.	001634-04-4	Propane, 2-methoxy-2-methyl-	8.19	15	JN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-12 (15-17 FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-008ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41975.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 50.00

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	250	U
74-83-9	Bromomethane	250	U
75-01-4	Vinyl chloride	250	U
75-00-3	Chloroethane	250	U
75-09-2	Methylene chloride	250	U
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	250	U
75-15-0	Carbon disulfide	250	U
75-34-3	1,1-Dichloroethane	250	U
540-59-0	1,2-Dichloroethene (total)	160	DJ
67-66-3	Chloroform	250	U
107-06-2	1,2-Dichloroethane	250	U
78-93-3	2-Butanone	250	U
71-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon tetrachloride	250	U
75-27-4	Bromodichloromethane	250	U
78-87-5	1,2-Dichloropropane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
79-01-6	Trichloroethene	910	D
124-48-1	Dibromochloromethane	250	U
79-00-5	1,1,2-Trichloroethane	250	U
71-43-2	Benzene	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
75-25-2	Bromoform	250	U
108-10-1	4-Methyl-2-pentanone	250	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	5400	D
79-34-5	1,1,2,2-Tetrachloroethane	250	U
108-88-3	Toluene	250	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	250	U
100-42-5	Styrene	250	U
1330-20-7	Xylene (total)	250	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-12 (15-17 FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-008ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41975.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 50.00

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-12 (5-7 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41960.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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)	220	
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	1100	E
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	5500	E
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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW-12 (5-7 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-007A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41960.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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-	8.16	18	JN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-12 (5-7 FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-007ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41979.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 50.00

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	250	U
74-83-9	Bromomethane	250	U
75-01-4	Vinyl chloride	250	U
75-00-3	Chloroethane	250	U
75-09-2	Methylene chloride	250	U
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	250	U
75-15-0	Carbon disulfide	250	U
75-34-3	1,1-Dichloroethane	250	U
540-59-0	1,2-Dichloroethene (total)	220	DJ
67-66-3	Chloroform	250	U
107-06-2	1,2-Dichloroethane	250	U
78-93-3	2-Butanone	250	U
71-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon tetrachloride	250	U
75-27-4	Bromodichloromethane	250	U
78-87-5	1,2-Dichloropropane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
79-01-6	Trichloroethene	1200	D
124-48-1	Dibromochloromethane	250	U
79-00-5	1,1,2-Trichloroethane	250	U
71-43-2	Benzene	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
75-25-2	Bromoform	250	U
108-10-1	4-Methyl-2-pentanone	250	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	5800	D
79-34-5	1,1,2,2-Tetrachloroethane	250	U
108-88-3	Toluene	250	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	250	U
100-42-5	Styrene	250	U
1330-20-7	Xylene (total)	250	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-12 (5-7 FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-007ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41979.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 50.00

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-13 (15-17 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-010A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41977.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 10.00

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	50	U
74-83-9	Bromomethane	50	U
75-01-4	Vinyl chloride	50	U
75-00-3	Chloroethane	50	U
75-09-2	Methylene chloride	50	U
67-64-1	Acetone	50	U
75-35-4	1,1-Dichloroethene	50	U
75-15-0	Carbon disulfide	50	U
75-34-3	1,1-Dichloroethane	50	U
540-59-0	1,2-Dichloroethene (total)	330	
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	50	U
78-93-3	2-Butanone	50	U
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon tetrachloride	50	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	560	
124-48-1	Dibromochloromethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
71-43-2	Benzene	50	U
10061-02-6	trans-1,3-Dichloropropene	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-pentanone	50	U
591-78-6	2-Hexanone	50	U
127-18-4	Tetrachloroethene	1900	
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-88-3	Toluene	50	U
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	50	U
100-42-5	Styrene	50	U
1330-20-7	Xylene (total)	50	U

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW-13 (15-17 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-010A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41977.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 10.00

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-13 (5-7 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-009A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41964.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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)	210	
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	570	E
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	3300	E
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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
GW-13 (5-7 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-009A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41964.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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-	8.22	24	JN

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-13 (5-7 FT)DL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-009ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41976.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 50.00

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	250	U
74-83-9	Bromomethane	250	U
75-01-4	Vinyl chloride	250	U
75-00-3	Chloroethane	250	U
75-09-2	Methylene chloride	250	U
67-64-1	Acetone	250	U
75-35-4	1,1-Dichloroethene	250	U
75-15-0	Carbon disulfide	250	U
75-34-3	1,1-Dichloroethane	250	U
540-59-0	1,2-Dichloroethene (total)	220	DJ
67-66-3	Chloroform	250	U
107-06-2	1,2-Dichloroethane	250	U
78-93-3	2-Butanone	250	U
71-55-6	1,1,1-Trichloroethane	250	U
56-23-5	Carbon tetrachloride	250	U
75-27-4	Bromodichloromethane	250	U
78-87-5	1,2-Dichloropropane	250	U
10061-01-5	cis-1,3-Dichloropropene	250	U
79-01-6	Trichloroethene	640	D
124-48-1	Dibromochloromethane	250	U
79-00-5	1,1,2-Trichloroethane	250	U
71-43-2	Benzene	250	U
10061-02-6	trans-1,3-Dichloropropene	250	U
75-25-2	Bromoform	250	U
108-10-1	4-Methyl-2-pentanone	250	U
591-78-6	2-Hexanone	250	U
127-18-4	Tetrachloroethene	3500	D
79-34-5	1,1,2,2-Tetrachloroethane	250	U
108-88-3	Toluene	250	U
108-90-7	Chlorobenzene	250	U
100-41-4	Ethylbenzene	250	U
100-42-5	Styrene	250	U
1330-20-7	Xylene (total)	250	U

1F

EPA SAMPLE NO.

GW-13 (5-7 FT)DL

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-009ADL

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41976.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 50.00

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-9 (15-17 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41954.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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
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
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

1F

EPA SAMPLE NO.

GW-9 (15-17 FT)

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-002A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41954.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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	4.44	7	J
2.	001634-04-4	Propane, 2-methoxy-2-methyl-	8.14	26	JN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

GW-9 (5-7 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41955.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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
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
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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

GW-9 (5-7 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-001A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41955.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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-	8.20	16	JN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CULVERT

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-011A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41951.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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	
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	10	
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	29	
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	2	J
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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CULVERT

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-011A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41951.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

Number TICs found: 13 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1.		unknown (3.95)	3.95	44	J
2.		unknown (5.93)	5.93	7	J
3.		straight-chain alkane (6.28)	6.28	29	J
4.		unknown (7.22)	7.22	6	J
5.		unknown (7.65)	7.65	8	J
6.		unknown aldehyde (11.17)	11.17	6	J
7.		straight-chain alkane (12.33)	12.33	40	J
8.		unknown aldehyde (13.46)	13.46	52	J
9.		pinene(isomer) (17.24)	17.24	9	J
10.	003777-69-3	Furan, 2-pentyl-	18.18	7	JN
11.		carene(isomer)(18.55)	18.55	12	J
12.		limonene(isomer) (18.79)	18.79	69	J
13.		straight-chain alkane(19.06)	19.06	5	J

BER022 S48

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CULVERTRE

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-011ARE

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41973.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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	4	J
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	13	
107-06-2	1,2-Dichloroethane	5	U
78-93-3	2-Butanone	36	
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

1F

EPA SAMPLE NO.

CULVERTRE

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-011ARE

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41973.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00

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

Number TICs found: 12 CONCENTRATION UNITS: (µg/L or µg/Kg) UG/L

	CAS NUMBER	COMPOUND NAME	RT	EST.CONC.	Q
1		straight-chain alkane (6.25)	6.25	38	J
2		unknown (7.19)	7.19	9	J
3		unknown (7.63)	7.63	5	J
4		straight-chain alkane (8.47)	8.47	6	J
5		unknown aldehyde (11.16)	11.16	7	J
6		straight-chain alkane (12.32)	12.32	40	J
7		unknown aldehyde (13.46)	13.46	52	J
8		pinene(isomer)(17.26)	17.26	7	J
9	003777-69-3	Furan, 2-pentyl-	18.21	7	JN
10		carene(isomer) (18.58)	18.58	9	J
11		limonene(isomer) (18.82)	18.82	72	J
12		straight-chain alkane(19.1)	19.10	5	JH

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW-1 (0-1 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-012A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41952.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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
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

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.
SW-1 (0-1 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-012A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41952.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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.

SW-2 (0-0.5 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-013A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41953.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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)	4	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	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	11	
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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

SW-2 (0-0.5 FT)

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-013A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41953.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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.

TRIP BLANK

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-015A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41981.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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
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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

TRIP BLANK

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: 0506066-015A

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41981.D

Level: (low/med) LOW Date Received: 06/02/05

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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

5. SURROGATE SPIKE ANALYSIS RESULTS

5.1 VOLATILES

2A

WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

	EPA SAMPLE NO.	SMC1 DCE #	SMC2 TOL #	SMC3 BFB #	OTHER	TOT OUT
01	VBLK060605	90	103	91		0
02	LFB060605	96	101	100		0
03	MSB060605	87	103	94		0
04	CULVERT	88	107	83 *		1
05	SW-1 (0-1 FT)	88	105	87		0
06	SW-2 (0-0.5 FT)	89	106	92		0
07	GW-9 (15-17 FT)	90	105	91		0
08	GW-9 (5-7 FT)	89	105	93		0
09	GW-10 (5-7 FT)	88	104	94		0
10	GW-10 (15-17 FT)	88	104	94		0
11	GW-11 (5-7 FT)	89	104	94		0
12	GW-11 (15-17 FT)	89	104	93		0
13	GW-12 (5-7 FT)	89	100	93		0
14	GW-12 (5-7 FT)MS	89	100	94		0
15	GW-12 (5-7 FT)MS	89	99	93		0
16	GW-12 (15-17 FT)	89	101	94		0
17	GW-13 (5-7 FT)	88	100	91		0
18	VBLK060705	92	103	93		0
19	GW-10 (5-7 FT)DL	93	103	95		0
20	CULVERTRE	94	108	79 *		1
21	GW-12 (15-17 FT)	94	104	88		0
22	GW-13 (5-7 FT)DL	95	104	87		0
23	GW-13 (15-17 FT)	94	103	88		0
24	GW-12 (5-7 FT)DL	94	100	95		0
25	FIELD BLANK	92	102	93		0
26	TRIP BLANK	93	103	93		0

		QC Limit
SMC 1 DCE	= 1,2-Dichloroethane-d4	(76-114)
SMC 2 TOL	= Toluene-d8	(88-110)
SMC 3 BFB	= 4-Bromofluorobenzene	(86-115)

Column to be used to flag recovery values

* Values outside of contract required QC limits

6. MATRIX SPIKE / MATRIX SPIKE DUPLICATE SUMMARY

6.1 VOLATILES

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER022

Matrix Spike - EPA Sample No.: GW-12 (5-7 FT)

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	MS CONCENTRATION (µg/L)	MS % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	34	68	61-145
Trichloroethene	50	1100	960	-346*	71-120 1)
Benzene	50	0	37	75*	76-127
Toluene	50	0	37	74*	76-125
Chlorobenzene	50	0	37	75	75-130

COMPOUND	SPIKE ADDED (µg/L)	MSD CONCENTRATION (µg/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	50	35.3	71	4	14	61-145
Trichloroethene	50	982	-294*	-16	14	71-120 1)
Benzene	50	38.5	77	3	11	76-127
Toluene	50	37.6	75*	1	13	76-125
Chlorobenzene	50	38.8	78	4	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 5 outside limits

Spike Recovery: 5 out of 10 outside limits

COMMENTS: 1) QC limit does not apply (See narrative) 6/16/05

FORM III VOA-1 OLM04.2

BER022 S60

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER022

Sample ID LFB060605 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	SPIKE CONCENTRATION (µg/L)	SPIKE % REC #	QC. LIMITS REC.
Chloromethane	50	0	45.8	92	70-114
Bromomethane	50	0	47.7	95	50-136
Vinyl chloride	50	0	44.8	90	66-117
Chloroethane	50	0	47	94	71-116
Methylene chloride	50	0	49.3	99	80-112
Acetone	50	0	49.6	99	71-125
1,1-Dichloroethene	50	0	47.8	96	67-120
Carbon disulfide	50	0	46.8	94	61-126
1,1-Dichloroethane	50	0	47.6	95	77-114
1,2-Dichloroethene (total)	100	0	95.6	96	78-128
Chloroform	50	0	48.5	97	75-119
1,2-Dichloroethane	50	0	48.6	97	76-120
2-Butanone	50	0	48.1	96	74-121
1,1,1-Trichloroethane	50	0	47.7	95	66-126
Carbon tetrachloride	50	0	47	94	64-126
Bromodichloromethane	50	0	50.2	100	78-118
1,2-Dichloropropane	50	0	48.7	97	81-115
cis-1,3-Dichloropropene	50	0	49.2	98	79-116
Trichloroethene	50	0	48.6	97	72-121
Dibromochloromethane	50	0	49.2	98	75-125
1,1,2-Trichloroethane	50	0	49.6	99	82-116
Benzene	50	0	48.1	96	77-116
trans-1,3-Dichloropropene	50	0	49.7	99	77-120
Bromoform	50	0	50.2	100	75-121
4-Methyl-2-pentanone	50	0	49.3	99	79-121
2-Hexanone	50	0	48	96	76-119
Tetrachloroethene	50	0	47.5	95	59-133
1,1,2,2-Tetrachloroethane	50	0	49.1	98	77-120
Toluene	50	0	47.4	95	70-125
Chlorobenzene	50	0	48.7	97	72-124

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 33 outside limits

COMMENTS:

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER022

Sample ID LFB060605 Level: (low/med) LOW

Ethylbenzene	50	0	47.2	94	68-128
Styrene	50	0	48.6	97	72-124
Xylene (total)	150	0	148	99	78-133

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 33 outside limits

COMMENTS:

3A

SYSTEM MONITORING SPIKE RECOVERY

Lab Name: H2M LABS, INC. Contract:

Lab Code: 10478 Case No.: BER SAS No.: SDG No.: BER022

Sample ID MSB060605 Level: (low/med) LOW

COMPOUND	SPIKE ADDED (µg/L)	SAMPLE CONCENTRATION (µg/L)	SPIKE CONCENTRATION (µg/L)	SPIKE % REC #	QC. LIMITS REC.
1,1-Dichloroethene	50	0	42.4	85	61-145
Trichloroethene	50	0	37.9	76	71-120
Benzene	50	0	41.7	83	76-127
Toluene	50	0	42.4	85	76-125
Chlorobenzene	50	0	40.7	81	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

7. BLANK SUMMARY DATA AND RESULTS

7.1 VOLATILES

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK060605

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Lab File ID: A\A41945.D Lab Sample ID: VBLK060605

Date Analyzed: 06/06/05 Time Analyzed: 13:34

GC Column: R-502.2 ID: .53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5971

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	LFB060605	LFB060605	A\A41946.D	14:05
02	MSB060605	MSB060605	A\A41949.D	15:44
03	CULVERT	0506066-011A	A\A41951.D	17:30
04	SW-1 (0-1 FT)	0506066-012A	A\A41952.D	18:01
05	SW-2 (0-0.5 FT)	0506066-013A	A\A41953.D	18:31
06	GW-9 (15-17 FT)	0506066-002A	A\A41954.D	19:03
07	GW-9 (5-7 FT)	0506066-001A	A\A41955.D	19:33
08	GW-10 (5-7 FT)	0506066-003A	A\A41956.D	20:04
09	GW-10 (15-17 FT)	0506066-004A	A\A41957.D	20:35
10	GW-11 (5-7 FT)	0506066-005A	A\A41958.D	21:06
11	GW-11 (15-17 FT)	0506066-006A	A\A41959.D	21:37
12	GW-12 (5-7 FT)	0506066-007A	A\A41960.D	22:08
13	GW-12 (5-7 FT)MS	0506066-007AMS	A\A41961.D	22:39
14	W-12 (5-7 FT)MSD	0506066-007AMSD	A\A41962.D	23:09
15	GW-12 (15-17 FT)	0506066-008A	A\A41963.D	23:40
16	GW-13 (5-7 FT)	0506066-009A	A\A41964.D	0:11

6/11/05

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK060605

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BKR SAS No.: _____ SDG No.: BKR022

Matrix: (soil/water) WATER Lab Sample ID: VBLK060605

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41945.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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
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

1F

EPA SAMPLE NO.

VBLK060605

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: VBLK060605

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41945.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/06/05

GC Column: R-502.2 ID: .53 (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

4A

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK060705

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Lab File ID: A\A41970.D Lab Sample ID: VBLK060705

Date Analyzed: 06/07/05 Time Analyzed: 10:59

GC Column: R-502.2 ID: .53 (mm) Heated Purge: (Y/N) N

Instrument ID: HP5971

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS, AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	GW-10 (5-7 FT)DL	0506066-003ADL	A\A41971.D	11:29
02	CULVERTRE	0506066-011ARE	A\A41973.D	12:35
03	W-12 (15-17 FT)DL	0506066-008ADL	A\A41975.D	13:36
04	GW-13 (5-7 FT)DL	0506066-009ADL	A\A41976.D	14:07
05	GW-13 (15-17 FT)	0506066-010A	A\A41977.D	14:41
06	GW-12 (5-7 FT)DL	0506066-007ADL	A\A41979.D	15:47
07	FIELD BLANK	0506066-014A	A\A41980.D	16:18
08	TRIP BLANK	0506066-015A	A\A41981.D	16:53

6/16/05

COMMENTS:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

VBLK060705

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: VBLK060705

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41970.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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
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

1F

VOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

VBLK060705

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Matrix: (soil/water) WATER Lab Sample ID: VBLK060705

Sample wt/vol: 5 (g/mL) ML Lab File ID: A\A41970.D

Level: (low/med) LOW Date Received:

% Moisture: not dec. Date Analyzed: 06/07/05

GC Column: R-502.2 ID: .53 (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

8. INTERNAL STANDARD AREA DATA

8.1 VOLATILES

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Lab File ID (Standard): A\A41944.D Date Analyzed: 06/06/05

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 13:04

Instrument ID: HP5971 Heated Purge: (Y/N) N

GC Column: R-502.2 ID: .53 (mm)

		IS1 AREA #	RT #	IS2 DFB AREA #	RT #	IS3 CBZ AREA #	RT #
	12 HOUR STD	66008	9.88	302787	10.78	273557	15.51
	UPPER LIMIT	132016	10.38	605574	11.28	547114	16.01
	LOWER LIMIT	33004	9.38	151394	10.28	136779	15.01
	EPA SAMPLE						
01	VBLK060605	65549	9.79	296796	10.71	259882	15.47
02	LFB060605	64954	9.78	294448	10.70	268386	15.47
03	MSB060605	68109	9.77	309022	10.68	270903	15.45
04	CULVERT	67177	9.84	309174	10.75	258154	15.48
05	SW-1 (0-1 FT)	67992	9.76	313020	10.68	266664	15.45
06	SW-2 (0-0.5 FT)	67587	9.77	309794	10.70	264529	15.46
07	GW-9 (15-17 FT)	68287	9.76	311228	10.68	269653	15.45
08	GW-9 (5-7 FT)	67822	9.80	309103	10.71	266316	15.47
09	GW-10 (5-7 FT)	67395	9.76	306125	10.69	267602	15.46
10	GW-10 (15-17 FT)	67377	9.76	307241	10.69	267737	15.46
11	GW-11 (5-7 FT)	67508	9.78	307154	10.69	266026	15.45
12	GW-11 (15-17 FT)	67427	9.78	307404	10.69	266565	15.46
13	GW-12 (5-7 FT)	67321	9.77	313115	10.68	287219	15.45
14	GW-12 (5-7 FT)MS	69472	9.78	315172	10.69	287856	15.45
15	GW-12 (5-7 FT)MSD	68359	9.79	313156	10.71	288230	15.47
16	GW-12 (15-17 FT)	68592	9.79	316729	10.71	281614	15.46
17	GW-13 (5-7 FT)	69077	9.81	314774	10.72	283051	15.48

6/16/05

IS1 = Bromochloromethane
IS2 DFB = 1,4-Difluorobenzene
IS3 CBZ = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BER SAS No.: _____ SDG No.: BER022

Lab File ID (Standard): A\A41969.D Date Analyzed: 06/07/05

EPA Sample No.(VSTD050##): VSTD050 Time Analyzed: 10:28

Instrument ID: HP5971 Heated Purge: (Y/N) N

GC Column: R-502.2 ID: .53 (mm)

		IS1 AREA #	RT #	IS2 DFB AREA #	RT #	IS3 CBZ AREA #	RT #
	12 HOUR STD	70878	9.91	319791	10.81	287553	15.54
	UPPER LIMIT	141756	10.41	639582	11.31	575106	16.04
	LOWER LIMIT	35439	9.41	159896	10.31	143777	15.04
	EPA SAMPLE						
01	VBLK060705	70158	9.82	313288	10.73	272681	15.50
02	GW-10 (5-7 FT)DL	70360	9.82	311819	10.73	269102	15.49
03	CULVERTRE	67134	9.82	310165	10.74	253573	15.49
04	GW-12 (15-17 FT)	68106	9.79	304483	10.70	257462	15.47
05	GW-13 (5-7 FT)DL	68106	9.78	307381	10.70	261375	15.47
06	GW-13 (15-17 FT)	68241	9.81	310417	10.72	263472	15.48
07	GW-12 (5-7 FT)DL	68291	9.78	306172	10.70	264251	15.47
08	FIELD BLANK	68772	9.78	307182	10.70	265025	15.46
09	TRIP BLANK	67759	9.82	307775	10.73	263174	15.49

IS1 = Bromochloromethane
IS2 DFB = 1,4-Difluorobenzene
IS3 CBZ = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.